

THE BIGGAR REGION OF SASKATCHEWAN

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PRAIRIE REGIONAL STUDIES
IN ECONOMIC GEOGRAPHY NO. 15



THE BIGGAR REGION OF SASKATCHEWAN

H.R. FAST, D.A. NEIL
ECONOMICS BRANCH
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2. The Boissevain Region of Manitoba by J.W. Channon, D. Zasada and R.T. Miller, Economics Branch, Canada Department of Agriculture.
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600 - 1853 Hamilton Street,
Regina, Saskatchewan. S4P 2C1

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PREFACE

Bill C-120 was given first reading in the House of Commons on September 14, 1964. This was the first attempt to implement the recommendations of the MacPherson Royal Commission on Transportation. It never became law as the Twenty-Sixth Parliament was dissolved before the bill passed through the House of Commons. That bill would have established the Branch Line Rationalization Authority as a responsibility of the Minister of Agriculture.

Bill C-231, a replacement for Bill C-120, was given first reading on August 29, 1966, and later became the National Transportation Act, R.S.C. 1970 Ch. N-17. This Act established the Canadian Transport Commission, which is comprised of committees including the Railway Transport Committee. To this latter committee were allocated the responsibilities that would have been given to the Branch Line Rationalization Authority. The Railway Transport Committee is responsible through the Canadian Transport Commission to the Minister of Transport. Accordingly, the Minister of Agriculture now has no direct authority in the field of branch line abandonment. However, because the Canadian Grain Commission has responsibilities in the regulation of the grain warehouse industry, the Minister of Agriculture has a direct interest in the impact of branch line rationalization on this railway-related industry. Of course, he is also concerned with the effects of such changes on the welfare of western grain producers.

Prairie Regional Studies in Economic Geography originated in work that was carried out by Mr. J.W. Channon for the Minister of Agriculture, beginning in February 1964. Later that year, Mr. A.W. Burges began a study of the prairie branch line network for the Geographical Branch, Department of Mines and Technical Surveys. It seemed logical and economical to merge the two. This was done and the Riverhurst report became No. 1 in the series of Prairie Regional Studies. Following the dissolution of the Geographical Branch in 1967, the project was transferred to the Canada Department of Agriculture and placed under the direction of Mr. Channon. The present report on the Biggar region of Saskatchewan is No. 15 in the series.

The area designated as the Biggar region of Saskatchewan comprises 74 grain delivery points. These are listed in Table 1.1 and in subsequent tables as required. The factors given consideration when delineating a study region for purposes of this series include the following: (1) that the region must be a manageable size; (2) that the region must encompass one or more problem areas with regard to grain marketing; (3) that an attempt is made to draw a line around the region such that communities outside the region are not affected by the rationalization hypothesized in the study in terms of grain delivery patterns, i.e., if possible, no community is to be in more than one study region; and (4) that the region and the problem areas are to be based

on the railway network and country elevators existing at the time of delineation.

In these regional studies, the emphasis is on grain farms and on the communities and facilities that service them. The tabular data and accompanying texts, figures and maps describe the socio-economic activities of each region. Hopefully, this information will enable readers to gain an appreciation of the relative importance of farms and communities in the Biggar region so they will then be in a better position to assess the impact of proposed programs and contemplated changes in the infrastructure of the region.

Admittedly, the data contained in this report does not constitute an exhaustive coverage of all the parameters. The presented material is intended to help affected persons and firms in understanding the rationale of changes in grain collection and distribution. Some changes have already taken place and undoubtedly the rate of change will intensify over the next few years as inflationary pressures work on the cost structures of the grain production industry, the elevator system and the railways.

This report is organized into five major parts with the first part being a description of the communities themselves. The following community attributes are described: available services, population, school enrolment, postal activity, property tax assessment and transportation services. The second part, which describes some grain production characteristics of the region, covers soils, meteorological data, land values, land use, crop yields, protein content, farm size and land tenure. Descriptive material contained in the third part focuses on the grain marketing and handling system as it relates to delivery points. Among other things, this part includes data on the number and capacity of grain elevators, number of permit holders, grain elevator receipts, quota acres, grain prices and farm-to-elevator hauling activities.

The fourth part shows what changes may take place if some of the delivery points are closed. This is a hypothetical exercise in which the hinterlands of certain delivery points assumed to be closed are added to the hinterlands of neighboring delivery points assumed to remain open. For delivery points affected by this diversion, estimates are made of the probable changes that could occur in acreages, bushelages, throughput ratios, hauling distances and number of permit holders.

The fifth part briefly describes some of the activities of the three main regulatory bodies that govern the grain industry in Canada. These are the Canadian Grain Commission, the Canadian Wheat Board and the Canadian Transport Commission. For additional perspective, a chronology of grain-oriented legislation and events is appended.

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PART I

COMMUNITY CHARACTERISTICS

Classification of Communities

In this study the method of community classification is based on a modification of the system used by the Saskatchewan Royal Commission on Agriculture and Rural Life in their Report No. 12 entitled "Service Centers". The criterion used for classifying and ranking communities in the present study was the number of service activities present. Communities were classified into five categories: "too small to classify", 0-2 services; hamlets, 3-10 services; villages, 11-35 services; towns, 36-75 services; and greater towns, 76 or more services. If two or more communities had an equal number of services, they were then ranked by population.

This method of ranking is not perfect. For instance, it ignores dollar volume of retail sales in each community, and it does not take into account the quality of service activities present. It appears, however, to be more meaningful than simply to rank by population.

Table 1.1 lists the communities in ascending order of rank. There were 34 communities "too small to classify", 19 hamlets, 15 villages, 4 towns and 2 greater towns. The number of services in each community, as shown in Tables 1.2A and 1.2B, served as the basis for the service classification and the initial ranking within each class. Population figures from the 1971 Census were used to rank by population (Table 1.4).

The type and number of services shown for each delivery point, other than grain elevators, may not be completely accurate. This information was gleaned from a field survey that was supplemented by telephone directories as well as by data on grain elevators, post offices, schools, railway stations, and other commercial and public services. It is possible that some services were overlooked such as door-to-door salesmen or a beauty parlour that was located in the basement of a private home. Sometimes it was difficult to know whether a particular place of business or meeting hall was in regular use or whether it was abandoned.

As a working definition of "service" with respect to grain elevators, the following criterion was used. The number of grain elevator companies that actively received grain from producers on either a part or full-time basis during the 1971-72 crop year was counted. This means that the mere presence of a licensed elevator was not counted as a service if it was only used for storage. Furthermore, where an elevator company had more than one elevator at a particular delivery point, this was still considered to be just one service.

Figure 1.1 shows the classification of communities and their geographic location in the Biggar study area.

Tables 1.2A and 1.2B clearly set out the number and kind of services available in various communities. Of the 34 delivery points "too small to classify", 16 had no services as their elevators had been closed and were being used for storage only before or during the 1971-72 crop year. Eight delivery points had 1 service and 10 had 2 services. The only services present were grain elevators, fertilizer dealerships, a railway station at Leney, a meeting hall at Valley Centre and the office of a rural municipality at Traynor.

The principal services in a hamlet were the grain elevator with its associated fertilizer dealership, postal service, a meeting hall, and a small general store. The general store and service station are frequently operated by a single proprietor.

Villages provided similar services with the main additions being a church, a rink, a garage, a hotel and a bulk fuel dealer. All villages had post offices, most had parks or fairgrounds, and all except 5 had schools. Such services as a clothing store, a lawyer, a physician and a hospital were absent.

Virtually the whole range of services is displayed in the groups of towns and greater towns. While only one business of a particular kind is located in a village, in a town there are often 2 or more similar establishments. Some degree of specialization also becomes evident. For instance, one may find a bakery in addition to the grocery store and an appliance sales and service store in addition to the hardware store. Other specialized services, not itemized in Table 1.2B, are included in the Appendix.

TABLE 1.1 CLASSIFICATION OF COMMUNITIES IN THE STUDY AREA^a

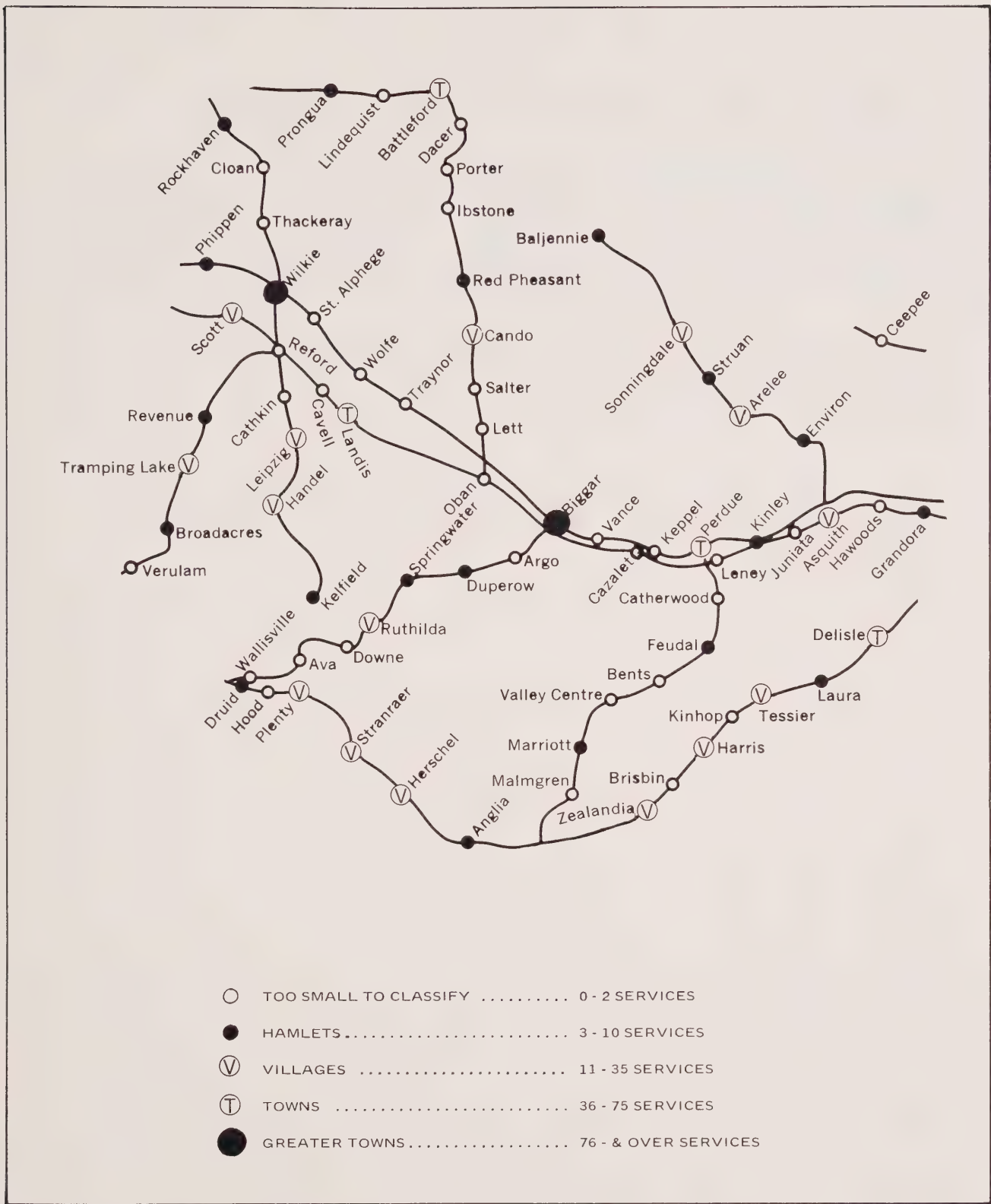
Too Small to Classify 0-2 Services	Hamlets 3-10 Services	Villages 11-35 Services	Towns 36-75 Services	Greater Towns 76 or more Services
1 Kinhop	35 Environ	54 Leipzig	69 Landis	73 Wilkie
2 Brisbin	36 Red Pheasant	55 Ruthilda	70 Perdue	74 Biggar
3 Lindequist	37 Prongua	56 Stranraer	71 Battleford	
4 Ava	38 Phippen	57 Tessier	72 Delisle	
5 Hawoods	39 Marriott	58 Arelee		
6 Wallisville	40 Anglia	59 Handel		
7 Verulam	41 Revenue	60 Zealandia		
8 Malmgren	42 Baljennie	61 Cando		
9 Dacer	43 Grandora	62 Sonningdale		
10 Vance	44 Druid	63 Herschel		
11 St. Alphege	45 Feudal	64 Scott		
12 Juniata	46 Kelfield	65 Tramping Lake		
13 Cathkin	47 Duperow	66 Asquith		
14 Hood	48 Struan	67 Plenty		
15 Wolfe	49 Laura	68 Harris		
16 Porter	50 Rockhaven			
17 Argo	51 Kinley			
18 Oban	52 Broadacres			
19 Keppel	53 Springwater			
20 Salter				
21 Cazalet				
22 Catherwood				
23 Reford				
24 Cavell				
25 Leney				
26 Lett				
27 Ceepee				
28 Downe				
29 Ibstone				
30 Cloan				
31 Bents				
32 Thackeray				
33 Valley Center				
34 Traynor				

^aFor purposes of cross-reference, see Appendix, Table A.1, "Alphabetical List of Communities and Their Rank Numbers".

TABLE 1.2A SERVICES PRESENT IN COMMUNITIES TOO SMALL TO CLASSIFY, 1972

Delivery Point	Number of Services	Active Grain Elevator Company as of Aug. 1972 (Date of Closure)	Other Services
<i>Too Small to Classify (0-2)</i>			
1 Kinhop	Nil	(Storage only 1957-58 to 1964-65. Closed Aug. 1965)	
2 Brisbin	Nil	(Storage only 1959-60 to 1966-67. Closed Aug. 1967)	
3 Lindequist	Nil	(Storage only 1960-61 to 1969-70. Closed during 1970-71 crop year)	
4 Ava	Nil	(Storage only 1961-62 to 1969-70. Closed during 1970-71 crop year)	
5 Hawoods	Nil	(Storage only 1968-69 to 1970-71. Closed Aug. 1971)	
6 Wallisville	Nil	(Storage only 1958-59 to 1968-69. Closed Aug. 1969)	
7 Verulam	Nil	(Storage only 1967-68 to 1969-70. Closed during 1970-71 crop year)	
8 Malmgren	Nil	(Storage only 1962-63 to 1963-64. Closed Aug. 1964)	
9 Dacer	Nil	(Storage only 1963-64 to 1969-70. Closed Nov. 1970)	
10 Vance	Nil	(Storage only 1961-62 to 1969-70. Closed during 1970-71 crop year)	
11 St. Alphege	Nil	(Storage only 1969-70 to 1970-71. Closed Aug. 1971)	
12 Juniata	Nil	(Storage only 1968-69 to 1970-71. Closed Aug. 1971)	
13 Cathkin	Nil	(Closed Aug. 1971)	
14 Hood	Nil	(Storage only 1970-71. Closed Aug. 1971)	
15 Wolfe	Nil	(Closed Aug. 1971)	
16 Porter	Nil	(Storage only 1970-71. Closed Aug. 1971)	
17 Argo	1	Sask. Wheat Pool	
18 Oban	1	Sask. Wheat Pool	
19 Keppel	1	Sask. Wheat Pool	
20 Salter	1	Sask. Wheat Pool	
21 Cazalet	1	Sask. Wheat Pool	
22 Catherwood	1	Sask. Wheat Pool	
23 Reford	1	Sask. Wheat Pool	
24 Cavell	1	Sask. Wheat Pool	
25 Leney	2	Sask. Wheat Pool	Railway Freight Depot
26 Lett	2	Sask. Wheat Pool	Fertilizer dealer
27 Ceepee	2	Sask. Wheat Pool	Fertilizer dealer
28 Downe	2	Sask. Wheat Pool	Fertilizer dealer
29 Ibstone	2	United Grain Growers	Fertilizer dealer
30 Cloan	2	Sask. Wheat Pool	Fertilizer dealer
31 Bents	2	Sask. Wheat Pool	Fertilizer dealer
32 Thackeray	2	Sask. Wheat Pool	Fertilizer dealer
33 Valley Centre	2	Sask. Wheat Pool	Meeting hall
34 Traynor	2	Sask. Wheat Pool	R.M. Office

Dealer also has gas pumps.
Incomplete water and sewer works.
Group postal boxes.
For details see Appendix "Specialized Services".
Elevator closed for storage only 1968-69 to 1970-71.
Source: Field Survey, telephone and trade directories.



CLASSIFICATION OF COMMUNITIES, THE BIGGAR REGION OF SASKATCHEWAN, 1972

Figure 1.1

Retail Trade

Only a limited amount of information on retail trade in the study area was available; therefore, it could not be used in the ranking process. Table 1.3 shows the volume of retail sales for each incorporated community in the study area for census years 1961 and 1966. Often the number of outlets reporting in any one community does not account for all of the retail outlets that actually operate there.

In general, the volume of retail sales increases with the ascending order of community rank; however, considerable variation exists. Furthermore, it must be remembered that while the ranking is based on 1972 data, the volume of sales is based on 1961 and 1966 data.

Between 1961 and 1966, the average volume of sales per retail outlet rose for all towns and greater towns. The villages of Tramping Lake, Asquith and Harris also had increases. Other points either had decreases or else data was not available for them.

TABLE 1.3 RETAIL TRADE OF INCORPORATED COMMUNITIES IN THE STUDY AREA,
1961 AND 1966

Delivery Point	1961			1966		
	No. of Outlets	Retail Sales		No. of Outlets	Retail Sales	
		Total	Per Outlet		Total	Per Outlet
		- \$000's -			- \$000's -	
<i>Too Small to Classify</i>						
25 Leney	n.a.	-	-	n.a.	-	-
<i>Hamlets</i>						
41 Revenue	n.a.	-	-	n.a.	-	-
46 Kelfield	1	n.a.	n.a.	-	-	-
50 Rockhaven	3	92	31	2	n.a.	n.a.
51 Kinley	4	100	25	2	n.a.	n.a.
53 Springwater	2	n.a.	n.a.	2	n.a.	n.a.
<i>Villages</i>						
54 Leipzig	1	n.a.	n.a.	1	n.a.	n.a.
55 Ruthilda	3	79	26	4	99	25
56 Stranraer	2	n.a.	n.a.	2	n.a.	n.a.
57 Tessier	4	94	24	2	n.a.	n.a.
58 Arelee	5	88	18	4	67	17
59 Handel	1	n.a.	n.a.	1	n.a.	n.a.
60 Zealandia	4	240	60	4	125	31
61 Cando ^a	4	347	87	5	306	61
63 Herschel	4	205	51	4	168	42
64 Scott	4	149	37	4	94	24
65 Tramping Lake	6	322	54	4	294	74
66 Asquith	7	363	52	6	713	119
67 Plenty	6	303	51	6	282	47
68 Harris	6	176	29	5	208	42
<i>Towns</i>						
69 Landis	4	439	110	5	805	161
70 Perdue	8	726	91	7	1,371	196
71 Battleford	15	958	64	12	1,148	96
72 Delisle	11	550	50	12	1,099	92
<i>Greater Towns</i>						
73 Wilkie	23	1,791	78	24	2,347	98
74 Biggar	38	3,743	99	36	5,045	140

n.a. - Not available.

^aVillage of Cando incorporated in 1968.

Source: Census of Canada, Statistics Canada, Ottawa.

Population of Communities

Total population of communities in the study area decreased by 5.6 percent between 1961 and 1971, while a 0.1 percent increase occurred in the provincial population during the same period (Table 1.4). Percentage changes in each classification group are as follows: greater towns, -1.5 percent; towns, +12.2 percent; villages, -21.0 percent; hamlets, -33.1 percent; and communities "too small to classify", -19.0 percent. Towns were the only classification with population growth while greater towns declined slightly. The decrease in the total population of communities can, therefore, be attributed largely to the smaller places.

TABLE 1.4 POPULATION OF COMMUNITIES IN THE STUDY AREA, CENSUS YEARS
1941 TO 1971^a

Delivery Point	1941	1951	1956	1961	1966	1971
<i>Too Small to Classify</i>						
1 Kinhop	3					
2 Brisbin	4					
3 Lindequist		2	4			
4 Ava	9			1		
5 Hawoods	3					
6 Wallisville	7					
7 Verulam	16	13	5			
8 Malmgren	8	4	2	2		
9 Dacer						3
10 Vance	12					3
11 St. Alphege		4	3	2	2	4
12 Juniata	16	19	29			4
13 Cathkin		3		4		
14 Hood						
15 Wolfe	22	18	11		4	
16 Porter		6	5	11	10	
17 Argo	6					
18 Oban	7					
19 Keppel	25	32	17	7	7	
20 Salter	10	7	3			
21 Cazalet	4		19			2
22 Catherwood	11		9			3
23 Reford		3	5	7		9
24 Cavell	37	31	36	13	18	11
25 Leney	83	46	50	35	23	26
26 Lett	6	5				1
27 Ceepee						3
28 Downe	6	7	7	10	2	5
29 Ibstone		14	17	12		4
30 Cloan	30	37	43	42	38	7
31 Bents	18	11	16	16	7	6
32 Thackeray	9	17	15		9	9
33 Valley Centre	49	68				14
34 Traynor	76	39	36	28	27	40
<i>Hamlets</i>						
35 Environ	12	23	8	10	12	
36 Red Pheasant	5			5		3
37 Prongua	14	24	35	28	18	6
38 Phippen						7
39 Marriott		12	22	18	12	11
40 Anglia	81	55				27
41 Revenue	170	118	120	101	87	46

See footnotes at end of table

(continued)

TABLE 1.4 POPULATION OF COMMUNITIES IN THE STUDY AREA, CENSUS YEARS
1941 TO 1971^a (continued)

Delivery Point	1941	1951	1956	1961	1966	1971
42 Baljennie	20	76				
43 Grandora	9	18	25 _b	26	30	25
44 Druid	63	61				20
45 Feudal	30	20	19	21	12	6
46 Kelfield	80	48	60	32	31	27
47 Duperow		25	35	41	38	24
48 Struan	62	78		64	38	30
49 Laura	88	98	^c	68	65	67
50 Rockhaven	99	102	100	83	60	53
51 Kinley	85	118	116	119	91	74
52 Broadacres	75	93		87	48	26
53 Springwater	147	85	118	120	88	99
<i>Villages</i>						
54 Leipzig	105	114	123	106	121 ^d	87
55 Ruthilda	107	85	92	86	85	48
56 Stranraer	77	108	106	78	98	66
57 Tessier	132	115	104	115	70	40
58 Arelee	137	112	124 ^e	125	73	52
59 Handel	113	116	115	100	101	72
60 Zealandia	172	162	186	192	181	155
61 Cando	118		190	247	219	193 ^f
62 Sonningdale	84	136		129	135	106
63 Herschel	137	156	203	188	187	89
64 Scott	258	264	339 ^g	281	290	254
65 Tramping Lake	211	248	262	288	288	241
66 Asquith	214	255	288 ^h	324	304	355
67 Plenty	178	184	212	245	250	208
68 Harris	237	247	282	305	287	254
<i>Towns</i>						
69 Landis	198	161	240	248	266 ^d	297
70 Perdue	295	389	413 ⁱ	436	455	411
71 Battleford	1,317	1,319	1,498	1,627	1,766 ^j	1,803
72 Delisle	333	411	482	508	665 ^j	653
<i>Greater Towns</i>						
73 Wilkie	1,232	1,580	1,630	1,612	1,603	1,642
74 Biggar	1,930	2,214	2,424	2,702	2,755	2,607
Study Area Total	9,102	9,816	10,303	10,955	10,976	10,338

See footnotes at end of table

(continued)

TABLE 1.4 POPULATION OF COMMUNITIES IN THE STUDY AREA, CENSUS YEARS
1941 TO 1971^a (concluded)

Delivery Point	1941	1951	1956	1961	1966	1971
Saskatchewan Total	895,992	831,728	880,665	925,181	955,344	926,245

^aA blank space means data were not available.

^bVillage of Druid disorganized in 1954 and added to 319. Winslow.

^cVillage of Laura disorganized in 1955 and added to 315. Montrose and 316. Harris.

^dParts of 379. Reford annexed to Village of Landis, October 1, 1961 and to Village of Leipzig, 1962, while part of the latter has been added to 379. Reford.

^eVillage of Arelee incorporated in 1952 from 376. Eagle Creek.

^fVillage of Cando organized in 1968 from 378. Rosemount.

^gPart of 380. Tramping Lake annexed to Town of Scott in 1952.

^hPart of 345. Vanscoy annexed to Town of Asquith in 1953 while part of the latter was added to 345. Vanscoy.

ⁱPart of 346. Perdue annexed to Town of Perdue, January 1, 1956.

^jPart of 442. Manitou Lake annexed to Town of Delisle, May 10, 1966.

Source: Statistics Canada, Ottawa.
Municipal Directory, 1972, Saskatchewan Department of
Municipal Affairs, Regina.
Directory of Hamlets and Settlements, 1969 and 1972,
Saskatchewan Department of Municipal Affairs, Regina.



Ruthilda, Sask. Classification: Village. C.N.R.
Dodsland Subdivision. (Photo: A.W. Burges, 1966)



Downe, Sask. Classification: "Too Small to Classify".
C.N.R. Dodsland Subdivision. (Photo: A.W. Burges, 1966)

Farm Population

Table 1.5 lists the 21 rural municipalities encompassed by the study area and shows the number of persons living on census farms.¹ Between 1941 and 1971, the farm population of Saskatchewan declined 54.6 percent while the farm population of the study area declined 54.1 percent.

The combined effects of a substantial drop in farm population and a rise in total population resulted in the proportion of persons on farms declining from a provincial total of 57.4 percent in 1941 to 25.2 percent in 1971, a period of 30 years. The proportion of persons on farms in the study area in 1971 was about 51.7 percent.² This data illustrates the familiar movement of people from rural to urban residence.

¹In 1971, the term "census farm" was defined as an agricultural holding of one acre or more with sales of agricultural products that amounted to \$50 or more during the 12-month period prior to the census. See Agricultural Census of Canada, 1971

²Based on a total population of 25,015 in the study area as shown in Table 1.6.

TABLE 1.5 FARM POPULATION IN THE STUDY AREA BY RURAL MUNICIPALITY,
CENSUS YEARS 1941 TO 1971

Rural Municipalities	1941	1951	1956	1961	1966	1971
<i>Census Division #12</i>						
287. St. Andrews	1,289	1,050	996	851	688	650
288. Pleasant Valley	1,025	644	624	504	457	424
316. Harris	919	635	668	632	545	461
317. Marriott	1,192	803	840	713	682	647
318. Mountain View	1,291	821	772	802	656	578
345. Vanscoy	1,580	1,002	940	872	927	833
346. Perdue	1,223	812	775	701	636	469
347. Biggar	1,734	1,593	1,410	1,360	1,199	1,003
375. Park ^a	1,796	1,232	1,108	875	813	732
376. Eagle Creek	1,742	1,172	1,131	865	760	687
377. Glenside	1,765	1,091	948	756	612	561
378. Rosemount	661	424	439	391	405	355
408. Prairie	1,546	1,138	1,065	1,021	906	794
438. Battle River	1,218	917	906	804	626	461
<i>Census Division #13</i>						
319. Winslow	1,046	750	705	638	675	677
349. Grandview	1,069	739	748	741	705	539
350. Mariposa	1,124	726	712	670	642	526
379. Reford	1,390	933	884	758	766	632
380. Tramping Lake	1,422	823	718	552	489	426
409. Buffalo	1,370	1,033	1,042	925	871	701
<i>Census Division #16</i>						
437. North Battleford	1,745	1,322	1,243	1,303	991	774
Study Area Total	28,147	19,660	18,674	16,734	15,051	12,930
Farm Population of Saskatchewan	514,677	399,473	362,231	305,740	281,089	233,792

^aThe rural municipalities of 344. Cory, 375. Park and parts of 373. Aberdeen and 374. Warman were disorganized December 31, 1969 to become 344. Corman Park, January 1, 1970.

Source: Census of Canada, Statistics Canada, Ottawa.

Population by Sex and Age Groups

Tables 1.6 and 1.7 contain 1971 Census population data for the incorporated communities and rural municipalities that make up the study area. Provincial totals are also shown. In both the study area and the province, there were more males than females. In the province, 50.8 percent of the population were male; in the study area, 53.4 percent were male.

The 20 to 64 year age group closely represents the effective working population (Table 1.7). In 1971, this age group comprised 49.2 percent of the population in the province and 47.8 percent of the population in the study area. People in the retired age group made up a significantly larger proportion of those living in incorporated communities than of those living on farms or in unincorporated communities. For other age groups, the proportions of people living in incorporated centers and in rural areas were about the same.

TABLE 1.6 POPULATION BY SPECIFIED AGE GROUPS AND SEX FOR INCORPORATED COMMUNITIES AND RURAL MUNICIPALITIES IN THE STUDY AREA, 1971^a

	Total	Years of Age										70 and over
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-69	
Incorporated Communities (150 population and over)												
60 Zealandia												
T.	155	5	15	20	10	10	10	10	25	20	10	25
M.	95	5	15	10	5	5	10	5	15	10	5	10
F.	65	0	0	10	5	5	0	5	10	10	5	15
64 Scott												
T.	250	15	25	40	40	15	20	20	30	35	10	20
M.	150	5	15	25	25	10	10	10	15	20	0	15
F.	120	10	10	15	15	5	10	10	15	15	10	5
65 Tramping Lake												
T.	245	15	25	35	25	5	20	25	25	25	15	25
M.	125	10	15	20	15	0	10	15	15	10	5	10
F.	115	5	10	15	10	5	10	10	10	15	10	15
66 Asquith												
T.	355	35	40	40	35	20	40	35	30	30	10	45
M.	195	25	20	20	25	10	20	20	10	15	5	25
F.	165	10	20	20	10	10	20	15	20	15	5	20
67 Plenty												
T.	205	10	25	25	30	10	20	20	20	20	10	25
M.	110	5	10	15	15	10	10	10	15	5	5	10
F.	105	5	15	10	15	0	10	10	5	15	5	15
68 Harris												
T.	255	15	25	40	30	10	30	25	30	20	10	25
M.	135	5	10	25	15	5	15	10	20	10	5	15
F.	125	10	15	15	15	5	15	15	10	10	5	10
69 Landis												
T.	300	20	30	55	20	15	40	40	30	20	5	30
M.	155	10	15	25	10	5	25	20	20	5	0	20
F.	150	10	15	30	10	10	15	20	10	15	5	10
70 Perdue												
T.	410	35	30	40	45	10	35	35	45	50	20	55
M.	200	15	15	25	20	5	20	15	20	30	10	25
F.	200	20	15	15	25	5	15	20	25	20	10	30
71 Battleford												
T.	1,800	135	190	230	195	125	185	160	180	215	75	115
M.	905	65	90	110	90	70	95	85	75	120	40	65
F.	900	70	100	120	105	55	90	75	105	95	35	50
72 Delisle												
T.	655	55	80	75	70	35	60	85	75	55	20	40
M.	325	20	40	40	30	20	30	45	35	30	10	25
F.	325	35	40	35	40	15	30	40	40	25	10	15

See footnotes at end of table

(continued)

TABLE 1.6 POPULATION BY SPECIFIED AGE GROUPS AND SEX FOR INCORPORATED COMMUNITIES AND RURAL MUNICIPALITIES IN THE STUDY AREA, 1971^a
(continued)

		Years of Age											70 and over
		Total	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-69	
73 Wilkie	T.	1,640	125	170	175	160	100	120	155	155	195	115	180
	M.	800	70	85	75	75	50	60	75	70	85	60	95
	F.	850	55	85	100	85	50	60	80	85	110	55	85
74 Biggar	T.	2,610	165	240	305	255	150	215	315	295	240	100	340
	M.	1,295	85	130	165	120	65	110	145	145	120	45	165
	F.	1,325	80	110	140	135	85	105	170	150	120	55	175
Total Other Incorporated Communities	T.	735	50	85	85	65	40	65	70	60	110	45	100
	M.	375	20	40	45	20	20	30	35	30	55	30	50
	F.	400	30	45	40	45	20	35	35	30	55	15	50
Total of Incorporated Communities	T.	9,615	680	980	1,165	980	545	860	995	1,000	1,035	445	1,025
	M.	4,865	340	500	600	465	275	445	490	485	515	220	530
	F.	4,845	340	480	565	515	270	415	505	515	520	225	495
Rural Municipalities ^b													
287. St. Andrews	T.	735	50	60	80	95	55	75	75	115	90	15	25
	M.	415	30	30	40	55	40	45	35	60	55	10	15
	F.	320	20	30	40	40	15	30	40	55	35	5	10
288. Pleasant Valley	T.	640	50	60	65	65	25	55	80	75	70	20	70
	M.	335	25	25	35	35	15	30	45	40	40	15	30
	F.	300	25	35	30	30	10	25	35	35	30	5	40
316. Harris	T.	485	20	50	70	70	25	20	60	80	45	15	30
	M.	260	10	25	40	35	15	10	25	45	25	10	20
	F.	225	10	25	30	35	10	10	35	35	20	5	10
317. Marriott	T.	785	50	80	95	120	40	80	75	130	65	20	30
	M.	450	30	45	55	75	25	40	40	65	45	10	20
	F.	335	20	35	40	45	15	40	35	65	20	10	10
318. Mountain View	T.	655	55	65	85	75	20	65	95	95	70	15	35
	M.	360	25	35	45	40	10	35	50	50	40	10	20
	F.	315	30	30	40	35	10	30	45	45	30	5	15
319. Winslow	T.	670	50	85	85	100	30	45	80	105	55	5	25
	M.	355	35	45	50	50	20	20	30	60	30	5	10
	F.	310	15	40	35	50	10	25	50	45	25	0	15

See footnotes at end of table

(continued)

TABLE 1.6 POPULATION BY SPECIFIED AGE GROUPS AND SEX FOR INCORPORATED COMMUNITIES AND RURAL MUNICIPALITIES IN THE STUDY AREA, 1971^a

	Total	Years of Age										70 and over
		0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-69	
344. Corman Park (part) ^c												
T.	810	60	85	105	95	30	60	100	105	115	25	30
M.	440	30	45	50	50	20	30	50	65	60	20	20
F.	370	30	40	55	45	10	30	50	40	55	5	10
345. Vanscoy												
T.	1,145	90	155	165	140	60	105	140	140	90	25	35
M.	625	50	85	100	70	40	50	60	85	50	15	20
F.	520	40	70	65	70	20	55	80	55	40	10	15
346. Perdue												
T.	510	35	40	60	80	25	45	55	80	70	20	15
M.	270	15	15	30	40	15	25	30	35	45	10	10
F.	255	20	25	30	40	10	20	25	45	25	10	5
347. Biggar												
T.	1,220	110	160	160	130	60	150	155	130	90	30	35
M.	685	65	85	85	75	30	85	85	75	55	20	25
F.	525	45	75	75	55	30	65	70	55	35	10	10
349. Grandview												
T.	615	25	60	95	85	35	55	75	100	50	10	30
M.	345	20	30	50	40	20	35	35	60	30	10	15
F.	275	5	30	45	45	15	20	40	40	20	0	15
350. Mariposa												
T.	595	30	80	75	85	35	45	75	65	85	5	15
M.	325	15	35	50	40	25	20	45	35	50	0	10
F.	270	15	45	25	45	10	25	30	30	35	5	5
376. Eagle Creek												
T.	840	55	70	80	85	35	75	110	125	120	35	50
M.	445	15	30	40	50	20	45	55	65	70	20	35
F.	395	40	40	40	35	15	30	55	60	50	15	15
377. Glenside												
T.	590	50	50	75	75	25	55	65	80	70	20	20
M.	325	30	25	40	35	10	30	40	45	45	15	10
F.	260	20	25	35	40	15	25	25	35	25	5	10
378. Rosemount												
T.	480	35	60	50	65	30	50	55	50	45	15	15
M.	275	25	30	25	35	20	25	30	30	30	15	10
F.	195	10	30	25	30	10	25	25	20	15	0	5
379. Reford												
T.	705	90	105	100	95	30	70	70	65	65	10	10
M.	405	45	60	65	60	20	35	40	30	40	5	5
F.	305	45	45	35	35	10	35	30	35	25	5	5

(continued)

See footnotes at end of table

TABLE 1.6 POPULATION BY SPECIFIED AGE GROUPS AND SEX FOR INCORPORATED COMMUNITIES AND RURAL MUNICIPALITIES IN THE STUDY AREA, 1971^a
(concluded)

		Total	0-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-69	70 and over
380. Tramping Lake	T.	470	40	70	70	60	20	55	60	55	50	5	5
	M.	285	20	40	45	40	10	30	35	30	35	0	0
	F.	205	20	30	25	20	10	25	25	25	15	5	5
408. Prairie	T.	895	85	105	130	105	75	75	85	110	70	20	30
	M.	485	45	60	60	45	45	35	50	60	50	15	20
	F.	405	40	45	70	60	30	40	35	50	20	5	10
409. Buffalo	T.	845	70	90	140	120	50	80	110	90	55	15	20
	M.	470	35	50	70	70	25	50	60	55	35	10	10
	F.	370	35	40	70	50	25	30	50	35	20	5	10
437. North Battleford	T.	935	60	100	105	125	85	90	100	110	85	40	45
	M.	530	30	60	55	65	65	50	45	60	45	25	30
	F.	415	30	40	50	60	20	40	55	50	40	15	15
438. Battle River	T.	775	55	80	100	105	60	65	95	85	65	15	40
	M.	410	25	30	45	65	40	35	55	45	35	15	20
	F.	355	30	50	55	40	20	30	40	40	30	0	20
Total of Rural Municipalities	T.	15,400	1,165	1,710	1,990	1,975	850	1,415	1,815	1,990	1,520	380	610
	M.	8,495	620	885	1,075	1,070	530	760	940	1,095	910	255	355
	F.	6,925	545	825	915	905	320	655	875	895	610	125	255
Study Area Total	T.	25,015	1,845	2,690	3,155	2,955	1,395	2,275	2,810	2,990	2,555	825	1,635
	M.	13,360	960	1,385	1,675	1,535	805	1,205	1,430	1,580	1,425	475	885
	F.	11,770	885	1,305	1,480	1,420	590	1,070	1,380	1,410	1,130	350	750
Saskatchewan Total	T.	926,240	79,170	99,005	102,255	95,760	68,855	100,330	99,035	101,835	85,195	31,090	63,715
	M.	470,720	40,460	50,425	52,265	48,920	35,205	50,695	50,675	51,135	43,385	16,170	31,390
	F.	455,520	38,710	48,580	49,995	46,845	33,645	49,635	48,365	50,705	41,810	14,915	32,315

T. - Total M. - Male F. - Female

^aThe 1971 Census figures were subjected to the confidentiality procedure introduced in the 1971 Census to prevent the possibility of associating small figures with any identifiable individual. This involves the random rounding of all last or unit digits. Since totals are independently rounded, they do not necessarily equal the sum of rounded figures in distributions. There may also be slight differences between comparable figures in this table and those shown in other tables or in various other census bulletins.

^bRural municipality data includes the population of farms and unincorporated communities but excludes the population of incorporated communities.

^cThat part of 344. Corman Park in Census Division 12. The rural municipalities of 344. Cory, 375. Park and parts of 373. Aberdeen and 374. Warman were disorganized December 31, 1969 to become 344. Corman Park, January 1, 1970.

Source: Statistics Canada, Ottawa

TABLE 1.7 PROPORTION OF POPULATION FALLING WITHIN THREE SPECIFIED AGE GROUPS, 1971

	Pre-School and School Age Groups (0 to 19)	Working Age Group (20 to 64)	Retired Age Group (65 and over)
	- percent -		
<i>Study Area</i>			
Incorporated Communities	39.2	45.7	15.1
Rural Municipalities	44.4	49.2	6.4
Study Area	42.4	47.8	9.8
<i>Province</i>			
Urban	38.6	50.6	10.8
Rural Non-Farm	40.3	45.2	14.5
Rural Farm	45.2	49.5	5.3
Saskatchewan Total	40.6	49.2	10.2

Source: Calculated from Table 1.6.

School Enrolment

It is evident from school enrolment figures in Table 1.8 that the trend in Western Canada towards school consolidation has affected the Biggar study area. There were no schools in communities "too small to classify" or in hamlets. Pupils in these communities were conveyed to schools at neighboring points. Although five villages had no schools, the other villages had schools that taught grades 1 to 6 or higher. Seven villages offered complete elementary and high school grades. With the exception of Battleford, all elementary and high school grades were available in towns and greater towns.

TABLE 1.8 SCHOOL ENROLMENT IN THE STUDY AREA BY GRADES, SCHOOL YEAR 1971-72

Delivery Point	Kind.	1	2	3	4	5	6	7	8	9	10	11	12	Aux.	Total	Pupils Conveyed to (Grades)
<i>Too small to Classify</i>																
1 Kinhop	No School															Harris (1-12)
2 Brisbin	No School															Harris (1-12)
3 Lindequist	No School															North Battleford (1-12)
4 Ava	No School															Plenty (1-12)
5 Hawoods	No School															Asquith (1-12)
6 Wallisville	No School															Plenty (1-12)
7 Verulam	No School															Kerrobert (1-12)
8 Malmgren	No School															Rosetown (1-12)
9 Dacer	No School															North Battleford (1-12)
10 Vance	No School															Biggar (1-12)
11 St. Alphege	No School															Wilkie (1-12)
12 Juniata	No School															Asquith (1-12)
13 Cathkin	No School															Scott (1-8)
																Wilkie (9-12)
14 Hood	No School															Plenty (1-12)
15 Wolfe	No School															Landis (1-12)
16 Porter	No School															North Battleford (1-12)
17 Argo	No School															Biggar (1-12)
18 Oban	No School															Biggar (1-12)
19 Keppel	No School															Cando (1-12)
20 Salter	No School															Biggar (1-12)
21 Cazalet	No School															Perdue (1-12)
22 Catherwood	No School															Wilkie (1-12)
23 Reford	No School															Scott (1-8)
24 Cavell	No School															Wilkie (9-12)
																Perdue (1-12)
25 Lenev	No School															Cando (1-12)
26 Lett	No School															Langham (1-12)
27 Ceepee	No School															Plenty (1-12)
28 Downe	No School															North Battleford (1-12)
29 Ibstone	No School															Wilkie (1-12)
30 Cloan	No School															Harris (1-12)
31 Bents	No School															Wilkie (1-12)
32 Thackeray	No School															Harris (1-12)
33 Valley Centre	No School															Landis (1-12)
34 Traynor	No School															
<i>Hamlets</i>																
35 Environ	No School															Asquith (1-12)
36 Red Pheasant	No School															Cando (1-12)
37 Prongua	No School															North Battleford (1-12)
38 Phippen	No School															Wilkie (1-12)
39 Marriott	No School															Rosetown (1-12)
40 Anglia	No School															Rosetown (1-12)
41 Revenue	No School															Tramping Lake (1-12)
42 Baljennie	No School															North Battleford (1-12)

(continued)

See footnotes at end of table

TABLE 1.8 SCHOOL ENROLMENT IN THE STUDY AREA BY GRADES, SCHOOL YEAR 1971-72 (concluded)

Delivery Point	Grades:	Kind.	1	2	3	4	5	6	7	8	9	10	11	12	Aux.	Total	Pupils Conveyed to (Grades)
- enrolment -																	
43 Grandora	No School																Vanscoy (1-6) Delisle (7-12)
44 Druid	No School																Dodslan (1-8) Plenty (9-12)
45 Feudal	No School																Harris (1-12)
46 Kelfield	No School																Plenty (1-12)
47 Duperow	No School																Biggar (1-12)
48 Struan	No School																Sonningdale (1-12)
49 Laura	No School																Delisle (1-12)
50 Rockhaven	No School																Cut Knife (1-12)
51 Kinley	No School																Perdue (1-12)
52 Broadacres	No School																Tramping Lake (1-12)
53 Springwater	No School																Biggar (1-12)
<i>Villages</i>																	
54 Leipzig	No School	10	9	16	10	9	15	8	10	12						99	Wilkie (10-12)
55 Ruthilda	No School																Plenty (1-12)
56 Stranraer	No School																Plenty (1-12)
57 Tessier	No School																Harris (1-12)
58 Arelee	No School	4	10	9	8	9	15	13	18	13	13	12	10	11		132	Perdue (1-12)
59 Handel	No School																Rosetown (1-12)
60 Zealandia	No School	27	29	28	29	32	27	20	25	16	12	12	6	10		261	
61 Cando		13	7	13	10	10	14	10	13	14	6	6	12	10		132	
62 Sonningdale		7	10	9	9	14	9									58	Plenty (7-12)
63 Herschel		7	7	7	7	10	9	12	4						1	64	Wilkie (9-12)
64 Scott		12	24	19	17	19	18	25	22	18	21	21	21	7		223	
65 Tramping Lake		19	14	28	15	19	29	29	22	16	15	15	11	14		231	
66 Asquith		16	19	23	21	15	25	27	26	49	54	54	38	40		353	
67 Plenty		8	17	16	19	20	22	28	22	13	22	22	19	18		224	
68 Harris																	
<i>Towns</i>																	
69 Landis		18	27	30	24	22	22	26	26	19	20	20	20	15		269	
70 Perdue		18	14	22	20	19	23	22	29	26	32	32	27	25		277	
71 Battleford		54	83	63	47	64	54	93	81	86	71	71	64	53	16	381	North Battleford (7-12)
72 Delisle	(Grades 1-6 total 179) ^a														19	646	
<i>Greater Towns</i>																	
73 Wilkie		55	69	54	65	53	56	70	65	74	84	84	66	63	24	798	
74 Biggar		46	74	76	75	81	71	94	85	87	91	91	80	72	16	948	

Kind. - Kindergarten
Aux. - Auxiliary classes

^aDistribution by grade was not available.

Source: Saskatchewan Department of Education, Regina.

Post Office Revenue

Post office revenue serves as a crude indicator of socio-economic activities in a community and its environs (Table 1.9). Many communities "too small to classify" never had a post office. With the exception of the post office at Traynor, all the post offices that were at one time located in communities of this classification have been closed.

In 1969 and 1970, group postal boxes were placed in 5 of 19 hamlets for the deposit of mail addressed to local residents.

In 1971, postal revenue in villages ranged from \$1,008 at Leipzig to \$4,979 at Asquith. Postal revenues for towns ranged from \$6,056 to \$25,698 while the greater towns of Wilkie and Biggar had respective revenues of \$23,560 and \$36,790.

Postal revenues have increased over time in all towns and greater towns and in most villages. The greatest gain in post office receipts between 1963 and 1971 was 147 percent at Battleford. Other communities that doubled their postal revenues were Kelfield, Arelee, Sonningdale, Landis and Perdue.

TABLE 1.9 POST OFFICE REVENUE IN THE STUDY AREA, FISCAL YEARS 1962-63 TO 1970-71

Delivery Point	Year Ending March 31	1963	1964	1965	1966	1967	1968	1969	1970	1971
- dollars -										
<i>Too Small to Classify</i>										
1 Kinhop	No Post Office									
2 Brisbin	No Post Office									
3 Lindequist	No Post Office									
4 Ava	No Post Office									
5 Hawoods	No Post Office									
6 Wallisville	No Post Office									
7 Verulam	No Post Office									
8 Malmgren	No Post Office									
9 Dacer	No Post Office									
10 Vance	No Post Office									
11 St. Alphege	No Post Office									
12 Juniata	(Closed 31/3/54)									
13 Cathkin	No Post Office									
14 Hood	No Post Office									
15 Wolfe	(Closed 5/5/62)									
16 Porter	No Post Office									
17 Argo	No Post Office									
18 Oban		67	42	(Closed 31/3/64)						
19 Keppel		167	139	123	107	112	94	20	(Closed 31/7/68)	
20 Salter	(Closed 30/6/53)									
21 Cazalet	No Post Office									
22 Catherwood	No Post Office									
23 Reford	No Post Office									
24 Cavell	No Post Office	244	253	306	273	301	335	358	346	(Closed 28/8/70)
25 Lenny		1,103	1,004	930	957	908	1,042	771	(Closed 8/2/69)	
26 Lett	No Post Office									
27 Ceepee	(Closed 15/11/19)									
28 Downe	No Post Office									
29 Ibstone	(Closed 21/5/63)									
30 Cloan		251	255	272	263	237	239	(Closed 29/3/68)		
31 Bents	(Closed 14/9/62)									
32 Thackeray	(Closed 6/1/17)	230	178	96	(Closed 3/11/64)	337	234	215	209	160
33 Valley Centre		354	306	358	345					
34 Traynor										
<i>Hamlets</i>										
35 Environ	(Closed 24/3/60)	106	122	115	96	112	134	141	146	(Closed 31/3/70)
36 Red Pheasant		161	181	187	177	178	144	117	82	(Closed 30/1/70) ^a
37 Prongua		370	358	381	322	312	289	326	306	326
38 Phippen										

(continued)

See footnote at end of table

TABLE 1.9 POST OFFICE REVENUE IN THE STUDY AREA, FISCAL YEARS 1962-63 TO 1970-71 (concluded)

Delivery Point	Year Ending March 31									
	1963	1964	1965	1966	1967	1968	1969	1970	1971	
	- dollars -									
39 Marriott			366	332	293	323	367	16	(Closed 27/6/69) ^a	
40 Anglia	316	278	271	278	249	114	(Closed 1/11/67)	360		
41 Revenue	845	1,019	827	716	590	396	290	253		
42 Baljennie	419	435	451	434	411	458	453	501	211	(Closed 31/8/70) ^a
43 Grandora	402	366	418	411	389	455	459	501	663	
44 Druid	943	700	672	516	419	313	225	16	(Closed 20/6/69)	
45 Feudal	166	153	158	161	182	161	144	(Closed 8/2/69) ^a		
46 Kelfield	469	509	567	573	665	643	669	734	951	
47 Duperow	364	420	393	390	425	318	288	358	400	
48 Struan	800	758	767	649	526	520	487	464	236	
49 Laura	877	801	756	750	776	882	901	934	1,343	
50 Rockhaven	742	750	766	749	774	776	692	809	1,040	
51 Kinley	1,179	1,180	1,042	1,167	1,337	890	1,105	981	1,636	(Closed 30/9/70) ^a
52 Broadacres	680	728	715	695	631	597	563	634	658	
53 Springwater	826	738	734	669	683	593	582	549	769	
<i>Villages</i>										
54 Leipzig	882	929	961	871	841	806	782	709	1,008	
55 Ruthilda	996	1,025	1,010	957	838	887	979	1,055	1,597	
56 Stranraer	941	960	1,036	1,017	1,003	994	1,002	1,191	1,388	
57 Tesser	1,236	994	981	963	862	879	993	972	1,205	
58 Arelee	1,184	1,109	1,153	1,015	994	1,125	1,375	987	2,724	
59 Handel	1,111	1,155	1,283	1,117	1,093	1,138	1,010	1,077	1,429	
60 Zealandia	1,645	1,661	1,863	1,765	1,865	1,583	1,629	1,633	2,132	
61 Cando	1,710	1,709	1,875	1,714	1,684	1,680	1,692	1,844	2,775	
62 Sonningdale	1,182	1,195	1,287	1,314	1,240	1,410	1,396	1,454	2,415	
63 Herschel	2,081	2,132	2,288	2,158	2,086	2,198	2,285	2,209	2,827	
64 Scott	1,744	1,811	1,699	1,720	1,524	1,686	1,700	1,880	2,423	
65 Tramping Lake	2,367	2,400	2,431	2,122	2,240	2,223	2,357	2,421	2,783	
66 Asquith	2,859	2,928	3,055	3,106	3,311	3,589	3,784	3,972	4,979	
67 Plenty	3,058	3,156	3,259	3,387	3,324	3,450	3,614	3,813	4,940	
68 Harris	3,068	3,203	3,338	3,316	3,014	3,596	3,322	3,712	4,667	
<i>Towns</i>										
69 Landis	3,019	2,974	3,427	3,553	3,658	3,841	4,337	5,025	6,056	
70 Perdue	3,555	3,660	4,157	4,339	4,315	4,790	5,303	6,562	7,473	
71 Battieford	10,424	10,863	12,250	13,457	13,812	15,717	17,415	20,772	25,698	
72 Delisle	4,454	4,456	4,984	5,361	5,962	6,907	6,859	6,843	8,185	
<i>Greater Towns</i>										
73 Wilkie	15,082	15,179	16,646	16,170	16,908	17,460	18,364	19,576	23,560	
74 Biggar	21,628	21,763	23,532	24,224	25,082	26,662	29,143	31,728	36,790	

^a Group postal boxes.

Property Tax Assessment

Table 1.10 presents details of tax assessment at each of the 74 delivery points in the Biggar region. The purpose of the table is to show the relative importance of railway and railway associated properties to the tax base of a community. To convey this relationship, the assessment of railway right-of-way properties is taken as a percentage of the total tax assessment of the community. Right-of-way properties include trackage, warehouses, bulk fuel tanks, grain elevators, etc.

It generally happens that the smaller a community is, the greater is the proportion of its tax base relating to right-of-way properties. This is clearly shown by comparing the proportions of tax assessment on right-of-way properties in communities "too small to classify" with the right-of-way proportions of tax assessment in towns and greater towns. For example, in Lindequist properties associated with the railway made up 100 percent of the total assessment, whereas in Wilkie railway associated properties accounted for only 9.7 percent of total assessment. This relationship, of course, reflects the growth and diversification of economic activities as communities become larger. The tax assessment of right-of-way property at Juanita is low, 18.3 percent, because the grain elevator there has been closed.

Right-of-way property assessments for the different sizes of communities in the study area amounted to the following percentages of the tax base: "too small to classify", 85.9 percent; hamlets, 60.3 percent; villages, 32.1 percent; towns, 9.4 percent; and greater towns, 9.9 percent. These calculations do not appear in Table 1.10.

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972

	<i>Too Small to Classify</i>					
	1 Kinhop	2 Brisbin	3 Lindequist	4 Ava	5 Hawoods	6 Wallisville
<i>Right-of-Way Properties</i>						
- dollars -						
Railway Property						
Roadway	-	*	*	*	*	*
Other Land	-	290	360	380	980	80
Buildings	-	-	-	-	-	-
Business	-	-	-	-	-	-
Other Property						
Taxable Land	-	-	40	40	40	-
Taxable Buildings	-	-	-	4,030	6,420	-
Taxable Business	-	-	-	-	1,480	-
Total Assessment of R.O.W. Properties	-	290	400	4,450	8,920	80
<i>Non-Right-of-Way Properties</i>						
Taxable Land	-	-	-	-	50	-
Taxable Buildings	-	-	-	-	-	-
Taxable Business	-	-	-	-	-	-
Total Assessment of Non-Right-of-Way Properties	-	-	-	-	50	-
Total Tax Assessment	-	290	400	4,450	8,970	80
Percent of Tax Assessment derived from R.O.W. Properties	-	100.0	100.0	100.0	99.4	100.0

(continued)

See footnotes at end of table

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (continued)

	<i>Too Small to Classify (cont'd)</i>					
	7 Verulam	8 Malmgren	9 Dacer	10 Vance	11 St. Alphege	12 Juniata
<i>Right-of-Way Properties</i>						
Railway Property						
Roadway	*	*	*	*	*	*
Other Land	520	480	300	410	740	1,150
Buildings	-	-	-	100	-	-
Business	-	-	-	-	-	-
Other Property						
Taxable Land	80	-	-	100	140	-
Taxable Buildings	5,040	-	-	4,020	9,810	-
Taxable Business	-	-	-	-	2,040	-
Total Assessment of R.O.W. Properties	5,640	480	300	4,630	12,730	1,150
<i>Non-Right-of-Way Properties</i>						
Taxable Land	-	-	-	40	40	440
Taxable Buildings	-	-	-	-	1,010	4,700
Taxable Business	-	-	-	-	-	-
Total Assessment of Non-Right-of-Way Properties	-	-	-	40	1,050	5,140
Total Tax Assessment	5,640	480	300	4,670	13,780	6,290
Percent of Tax Assessment derived from R.O.W. Properties	100.0	100.0	100.0	99.1	92.4	18.3

See footnotes at end of table

(continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (continued)

	<i>Too Small to Classify (cont'd)</i>						
	13 Cathkin	14 Hood	15 Wolfe	16 Porter	17 Argo	18 Oban	19 Keppel
	- dollars -						
<i>Right-of-Way Properties</i>							
Railway Property							
Roadway	*	*	*	*	*	*	*
Other Land	500	110	730	420	380	1,170	550
Buildings	-	-	-	-	-	90	270
Business	-	-	-	-	-	100	100
Other Property							
Taxable Land	110	50	80	-	80	120	90
Taxable Buildings	10,580	5,680	7,350	-	10,790	9,100	12,470
Taxable Business	1,480	-	1,540	-	240	1,580	220
Total Assessment of R.O.W. Properties	12,670	5,840	9,700	420	11,490	12,160	13,700
<i>Non-Right-of-Way Properties</i>							
Taxable Land	-	-	20	-	40	60	100
Taxable Buildings	-	-	960	-	770	-	1,530
Taxable Business	-	-	-	-	-	-	1,980
Total Assessment of Non-Right-of-Way Properties	-	-	980	-	810	60	3,610
Total Tax Assessment	12,670	5,840	10,680	420	12,300	12,220	17,310
Percent of Tax Assessment derived from R.O.W. Properties	100.0	100.0	90.8	100.0	93.4	99.5	79.1

See footnotes at end of table

(continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (continued)

	<i>Too Small to Classify (cont'd)</i>					
	20 Salter	21 Cazalet	22 Catherwood	23 Reford	24 Cavell	25 Leney
	- dollars -					
<i>Right-of-Way Properties</i>						
Railway Property						
Roadway	*	*	*	*	*	*
Other Land	350	150	510	1,190	840	1,020
Buildings	-	-	-	-	-	1,670
Business	-	-	-	-	-	-
Other Property						
Taxable Land	90	90	80	50	40	120
Taxable Buildings	15,310	8,670	12,140	15,590	1,340	8,760
Taxable Business	3,140	1,560	1,900	2,710	2,280	1,710
Total Assessment of R.O.W. Properties	18,890	10,470	14,630	19,540	4,500	13,280
<i>Non-Right-of-Way Properties</i>						
Taxable Land	110	80	30	100	460	5,750
Taxable Buildings	1,780	1,650	1,020	1,080	4,670	7,970
Taxable Business	-	-	-	-	-	-
Total Assessment of Non-Right-of-Way Properties	1,890	1,730	1,050	1,180	5,130	13,720
Total Tax Assessment	20,780	12,200	15,680	20,720	9,630	27,000
Percent of Tax Assessment derived from R.O.W. Properties	90.9	85.8	93.3	94.3	46.7	49.2

(continued)

See footnotes at end of table

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (continued)

	<i>Too Small to Classify (cont'd)</i>						
	26 Lett	27 Ceepee	28 Downe	29 Ibstone	30 Cloan	31 Bents	32 Thackeray
	- dollars -						
<i>Right-of-Way Properties</i>							
Railway Property							
Roadway	*	*	*	*	*	*	*
Other Land	400	300	370	370	660	550	580
Buildings	-	-	-	-	270	-	270
Business	-	-	-	-	100	-	100
Other Property							
Taxable Land	40	180	110	110	610	-	410
Taxable Buildings	6,580	25,380	16,780	19,790	24,950	-	38,460
Taxable Business	1,540	4,730	3,060	3,750	5,020	-	6,220
Total Assessment of R.O.W. Properties	8,560	30,590	20,320	24,020	31,610	550	46,040
<i>Non-Right-of-Way Properties</i>							
Taxable Land	-	100	120	-	510	-	100
Taxable Buildings	-	3,390	-	-	8,660	-	3,350
Taxable Business	-	-	-	-	1,660	-	-
Total Assessment of Non-Right-of-Way Properties	-	3,490	120	-	10,830	-	3,450
Total Tax Assessment	8,560	34,080	20,440	24,020	42,440	550	49,490
Percent of Tax Assessment derived from R.O.W. Properties	100.0	89.8	99.4	100.0	74.5	100.0	93.0

(continued)

See footnotes at end of table

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (continued)

	<i>Too Small to Classify (cont'd)</i>				<i>Hamlets</i>	
	33 Valley Center	34 Traynor	35 Environ	36 Red Pheasant	37 Prongua	
<i>Right-of-Way Properties</i>						
			- dollars -			
Railway Property						
Roadway	*	*	*	*	*	*
Other Land	530	680	800	380	410	410
Buildings	60	-	210	-	160	160
Business	-	100	-	-	-	-
Other Property						
Taxable Land	-	170	300	40	130	130
Taxable Buildings	-	14,560	16,170	7,510	19,140	19,140
Taxable Business	-	3,140	3,080	-	3,040	3,040
Total Assessment of R.O.W. Properties	590	18,650	20,560	7,930	22,880	22,880
<i>Non-Right-of-Way Properties</i>						
Taxable Land	-	2,150	630	-	790	790
Taxable Buildings	-	8,695	6,550	-	6,340	6,340
Taxable Business	-	-	2,980	-	-	-
Total Assessment of Non-Right-of-Way Properties	-	10,845	10,160	-	7,130	7,130
Total Tax Assessment	590	29,495	30,720	7,930	30,010	30,010
Percent of Tax Assessment derived from R.O.W. Properties	100.0	63.2	66.9	100.0	76.2	76.2

(continued)

See footnotes at end of table

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (continued)

	Hamlets (cont'd)					
	38 Phippen	39 Marriott	40 Anglia	41 Revenue	42 Baljennie	43 Grandora
	- dollars -					
Right-of-Way Properties						
Railway Property	*	*	*	*	*	*
Roadway						
Other Land	590	630	860	930	680	980
Buildings	240	-	250	260	250	1,520
Business	100	-	100	100	100	100
Other Property						
Taxable Land	180	240	470	750	210	130
Taxable Buildings	29,970	27,760	26,750	38,040	16,080	16,680
Taxable Business	5,240	5,850	6,930	8,520	3,400	3,040
Total Assessment of R.O.W. Properties	36,320	34,480	35,360	48,600	20,720	22,450
Non-Right-of-Way Properties						
Taxable Land	820	130	2,460	21,220	790	1,100
Taxable Buildings	4,540	4,980	14,840	19,438	5,570	6,190
Taxable Business	-	-	-	-	2,480	-
Total Assessment of Non-Right-of-Way Properties	5,360	5,110	17,300	40,658	8,840	7,290
Total Tax Assessment	41,680	39,590	52,660	89,258	29,560	29,740
Percent of Tax Assessment derived from R.O.W. Properties	87.1	87.1	67.1	54.4	70.1	75.5

(continued)

See footnotes at end of table

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (continued)

	Hamlets (cont'd)					
	44 Druid	45 Feudal	46 Kelfield	47 Duperow	48 Struan	49 Laura
Right-of-Way Properties			- dollars -			
Railway Property						
Roadway	*	*	2,440	*	*	*
Other Land	640	620	670	410	600	440
Buildings	4,320	120	2,420	5,580	310	1,580
Business	-	100	100	100	-	100
Other Property						
Taxable Land	200	220	350	300	260	170
Taxable Buildings	7,760	140	27,090	22,460	20,380	31,410
Taxable Business	5,570	1,560	6,170	3,560	4,330	5,780
Total Assessment of R.O.W. Properties	18,490	2,760	39,240	32,410	25,880	39,480
Non-Right-of-Way Properties						
Taxable Land	1,380	640	3,270	700	970	2,200
Taxable Buildings	11,390	21,640	14,920	11,820	18,900	34,690
Taxable Business	-	2,770	-	3,360	790	1,710
Total Assessment of Non-Right-of-Way Properties	12,770	25,050	18,190	15,880	20,660	38,600
Total Tax Assessment	31,260	27,810	57,430	48,290	46,540	78,080
Percent of Tax Assessment derived from R.O.W. Properties	59.1	9.9	68.3	67.1	55.6	50.6

See footnotes at end of table

(continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (continued)

	Hamlets (cont'd)				Villages
	50 Rockhaven	51 Kinley	52 Broadacres	53 Springwater	
	- dollars -				54 Leipzig
<i>Right-of-Way Properties</i>					
Railway Property			*	1,680	1,660
Roadway	2,040	2,330		630	750
Other Land	1,360	1,380	830		180
Buildings	1,370	2,700	310	-	
Business	100	920	100	-	-
Other Property					
Taxable Land	980	490	400	300	520
Taxable Buildings	50,590	54,590	26,930	29,730	27,520
Taxable Business	9,070	8,320	5,340	5,780	5,360
Total Assessment of R.O.W. Properties	65,510	70,730	33,910	38,120	35,990
<i>Non-Right-of-Way Properties</i>					
Taxable Land	6,070	6,010	2,600	6,780	7,840
Taxable Buildings	40,270	38,910	18,800	46,330	62,550
Taxable Business	1,660	310	3,040	2,040	8,540
Total Assessment of Non-Right-of-Way Properties	48,000	45,230	24,440	55,150	78,930
Total Tax Assessment	113,510	115,960	58,350	93,270	114,920
Percent of Tax Assessment derived from R.O.W. Properties	57.7	61.0	58.1	40.9	31.3

See footnotes at end of table (continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (continued)

	<i>Villages (cont'd)</i>					
	55 Ruthilda	56 Stranraer	57 Tessier	58 Arelee	59 Handel	60 Zealandia
	- dollars -					
<i>Right-of-Way Properties</i>						
Railway Property						
Roadway	1,710	630	1,620	1,300	3,140	3,900
Other Land	640	250	740	950	1,180	1,040
Buildings	2,700	100	1,890	260	3,420	2,620
Business	670	-	100	100	-	100
Other Property						
Taxable Land	380	360	470	850	770	800
Taxable Buildings	24,470	42,040	61,690	39,800	36,570	79,080
Taxable Business	7,720	8,530	13,870	8,270	6,980	12,450
Total Assessment of R.O.W. Properties	38,290	51,910	80,380	51,530	52,060	99,990
<i>Non-Right-of-Way Properties</i>						
Taxable Land	4,310	3,030	7,090	5,040	14,130	17,310
Taxable Buildings	34,830	51,440	38,920	38,960	41,970	95,405
Taxable Business	6,560	1,370	180	2,140	7,940	7,550
Total Assessment of Non-Right-of-Way Properties	45,700	55,840	46,190	46,140	64,040	120,265
Total Tax Assessment	83,990	107,750	126,570	97,670	116,100	220,255
Percent of Tax Assessment derived from R.O.W. Properties	45.6	48.2	63.5	52.8	44.8	45.4

(continued)

See footnotes at end of table

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (continued)

	<i>Villages (cont'd)</i>				
	61 Cando	62 Sonningdale	63 Herschel	64 Scott	65 Tramping Lake
			- dollars -		
<i>Right-of-Way Properties</i>					
Railway Property					
Roadway	1,530	*	2,740	5,450	2,890
Other Land	940	1,060	3,180	1,520	2,420
Buildings	1,770	50	3,470	3,120	220
Business	100	-	-	950	-
Other Property					
Taxable Land	710	820	4,640	440	2,130
Taxable Buildings	30,510	29,540	93,610	32,440	68,270
Taxable Business	6,640	8,260	1,300	5,610	16,052
Total Assessment of R.O.W. Properties	42,200	39,730	108,940	49,530	91,982
<i>Non-Right-of-Way Properties</i>					
Taxable Land	14,085	7,020	13,790	20,470	21,660
Taxable Buildings	93,990	61,620	109,310	118,340	173,830
Taxable Business	12,350	6,400	34,870	5,120	21,748
Total Assessment of Non-Right-of-Way Properties	120,425	25,040	157,970	143,930	217,238
Total Tax Assessment	162,625	114,770	266,910	193,460	309,220
Percent of Tax Assessment derived from R.O.W. Properties	25.9	34.6	40.8	25.6	29.7

See footnotes at end of table (continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (continued)

	Villages (cont'd)				Towns	
	66 Asquith	67 Plenty	68 Harris	69 Landis	70 Perdue	71 Battleford
	- dollars -					
<i>Right-of-Way Properties</i>						
Railway Property						
Roadway	3,020	1,590	1,050	1,920	1,510	19,100
Other Land	1,380	2,570	1,650	2,020	4,130	3,630
Buildings	2,760	3,090	5,050	3,190	3,480	2,560
Business	440	100	970	700	270	870
Other Property						
Taxable Land	250	2,360	2,050	1,530	4,390	1,930
Taxable Buildings	3,050	63,310	73,700	53,250	46,270	25,890
Taxable Business	3,280	14,290	13,140	15,510	14,320	10,740
Total Assessment of R.O.W. Properties	14,180	87,310	97,610	78,120	74,370	64,720
<i>Non-Right-of-Way Properties</i>						
Taxable Land	57,120	30,060	29,470	34,530	70,945	230,110
Taxable Buildings	227,450	199,910	183,570	247,380	335,800	1,200,251
Taxable Business	36,650	27,570	25,640	54,080	50,110	78,760
Total Assessment of Non-Right-of-Way Properties	321,220	257,540	238,680	335,990	456,855	1,509,121
Total Tax Assessment	335,400	344,850	336,290	414,110	531,225	1,573,841
Percent of Tax Assessment derived from R.O.W. Properties	4.2	25.3	29.0	18.9	14.0	4.1

See footnotes at end of table (continued)

TABLE 1.10 PROPERTY TAX ASSESSMENT FOR COMMUNITIES IN THE STUDY AREA, 1972 (concluded)

	<u>Towns (cont'd)</u>		<u>Greater Towns</u>	
	72 Delisle	73 Wilkie	74 Biggar	
<i>Right-of-Way Properties</i>				
Railway Property				
Roadway	9,600	19,270	22,980	
Other Land	3,970	19,830	31,770	
Buildings	3,480	16,060	75,020	
Business	700	8,210	7,700	
Other Property				
Taxable Land	3,030	13,700	24,680	
Taxable Buildings	69,120	120,840	161,050	
Taxable Business	17,930	34,560	65,290	
Total Assessment of R.O.W. Properties	107,830	232,470	388,490	
<i>Non-Right-of-Way Properties</i>				
Taxable Land	122,756	501,340	783,100	
Taxable Buildings	597,960	1,412,630	2,315,735	
Taxable Business	102,090	256,160	367,240	
Total Assessment of Non-Right-of-Way Properties	822,806	2,170,130	3,466,075	
Total Tax Assessment	930,636	2,402,600	3,854,565	
Percent of Tax Assessment derived from R.O.W. Properties	11.6	9.7	10.1	

R.O.W. - Right-of-way.

*Tax assessment of rail roadway property in unincorporated communities is included as part of total rural municipality tax assessment.

Source: Saskatchewan Department of Municipal Affairs, Regina.

Carload Rail Traffic

The volume of rail traffic to and from a community is another indicator of economic activity. For a more complete picture, truck traffic should also be considered. Generally, the more people and service activities there are in a community, the more freight traffic is generated. Grain shipments at a particular delivery point depend on such interrelated factors as size of hinterland, number of permit holders, crop yields, and domestic and export marketings.

Table 1.11 shows the number of carloads shipped in and out of each delivery point in the study area from 1966 to 1971.¹ This traffic is broken down into five broad categories.

Delivery points "too small to classify" had very little traffic. What there was, was mostly outbound traffic that generally declined over time. In 1971, Cloan had 211 outbound carlots, more than any other community in the same size group.

For hamlets, the volume of outbound traffic ranged from 12 cars to 746 cars in 1971. Only four delivery points, Baljennie, Duperow, Rockhaven and Springwater, had any inbound traffic.

Grain shipments also accounted for most of the outbound rail traffic of villages. With 752 carloads, Herschel had the most outbound traffic in 1971. The few inbound shipments were mostly manufactures and miscellaneous products.

The traffic pattern for towns and greater towns is essentially the same as it is for hamlets and villages; that is, outbound grain is the most important commodity, outbound traffic greatly exceeds inbound traffic, and inbound traffic is made up of a variety of products such as coal, lumber and building supplies, fertilizer, fuel oil, agricultural supplies and machinery. Of course, the traffic volume is greater than it is in smaller centers. In 1971, total carload movements ranged from 3 cars at Battleford to 791 cars at Wilkie.

¹Carload rail traffic data prior to 1966 were not available.

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
Too Small to Classify												
1 Kinhop												
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	2
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	2
2 Brisbin												
Products of Agriculture	-	9	-	-	-	-	-	-	-	-	-	3
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	9	-	-	-	-	-	-	-	-	-	3
3 Lindequist												
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	13
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	13
4 Ava												
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	7
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	7
5 Hawoods												
Products of Agriculture	-	30	-	26	-	10	-	-	-	-	-	7
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	1	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	1
Total	-	30	1	26	-	10	-	-	-	-	-	8

- carloads -

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
6 Wallisville												
Products of Agriculture	-	-	-	3	-	-	-	-	-	9	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	3	-	-	-	-	-	9	-	-
7 Verulam												
Products of Agriculture	-	48	-	11	-	-	-	-	-	-	-	17
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	48	-	11	-	-	-	-	-	-	-	17
8 Malmgren												
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	-	-	-	-	-	-	-	-	-	-
Total	1	-	-	-	-	-	-	-	-	-	-	-
9 Dacer												
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	1
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	1
10 Vance												
Products of Agriculture	-	3	-	-	-	-	-	-	-	-	-	10
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	6	-	4	-	3	-	4	-	-	-	-
Total	-	9	-	4	-	3	-	4	-	-	-	10

See footnotes at end of table (continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
11 St. Alphege	-	47	-	37	-	30	-	11	-	-	-	12
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	1	1	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	48	-	37	-	30	-	11	-	-	-	12
Total	-	-	-	-	-	-	-	-	-	-	-	-
12 Juniata	-	40	-	51	-	18	-	-	-	-	-	12
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	40	-	51	-	18	-	-	-	-	-	12
Total	-	-	-	-	-	-	-	-	-	-	-	-
13 Cathkin	-	48	-	40	-	30	-	23	-	30	-	32
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	48	-	40	-	30	-	23	-	30	-	32
Total	-	-	-	-	-	-	-	-	-	-	-	-
14 Hood	-	59	-	35	-	39	-	22	-	26	-	27
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	59	-	35	-	39	-	22	-	26	-	27
Total	-	-	-	-	-	-	-	-	-	-	-	-
15 Wolfe	-	39	-	29	-	29	-	14	-	28	-	15
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	39	-	29	-	29	-	14	-	28	-	15
Total	-	-	-	-	-	-	-	-	-	-	-	-

(continued)

See footnotes at end of table

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
-- carloads --												
16 Porter												
Products of Agriculture	-	52	-	47	-	29	-	11	-	30	-	6
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	52	-	47	-	29	-	11	-	30	-	6
17 Argo												
Products of Agriculture	-	42	-	56	-	45	-	37	-	25	-	34
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	3	-	2	-	2	-	-	-	-	-
Manufactures and Misc.	-	1	-	-	-	1	-	-	-	-	-	-
Total	-	43	3	56	2	46	2	37	-	25	-	34
18 Oban												
Products of Agriculture	-	40	-	66	-	28	-	40	-	31	-	55
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	2	-	1	-	1	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	1	-	-	-	-	-	-
Total	-	40	-	66	2	29	1	40	1	31	-	55
19 Keppel												
Products of Agriculture	-	60	-	58	-	63	-	21	-	48	-	60
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	2	-	1
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	1	-	-	-	1	-	-	-	-	-	-
Total	-	61	-	58	-	64	-	21	-	50	-	61
20 Salter												
Products of Agriculture	-	74	-	54	-	52	-	39	-	55	-	75
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	74	-	54	-	52	-	39	-	55	-	75

See footnotes at end of table (continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
21 Cazalet												
Products of Agriculture	-	92	-	82	-	55	-	48	-	68	-	95
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	2	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	1	-	-	-	-	-	-	-
Total	-	92	2	82	1	55	-	48	-	68	-	95
22 Catherwood												
Products of Agriculture	-	101	-	121	-	37	-	52	-	76	-	110
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	1	-	1	-	-	-	-	-	-
Total	-	101	-	122	-	38	-	52	-	76	-	110
23 Reford												
Products of Agriculture	-	125	-	140	-	96	-	90	-	117	-	199
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	-	-	-	-	-	-	-	-	-	-
Total	1	125	-	140	-	96	-	90	-	117	-	199
24 Cavell												
Products of Agriculture	-	88	-	75	-	74	-	43	-	63	-	102
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	88	-	75	-	74	-	43	-	63	-	102
25 Leney												
Products of Agriculture	-	103	-	107	-	67	-	48	-	94	-	118
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	2	-	2	-	1	-	2	-	1	-	1	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	103	2	107	1	67	2	48	1	94	1	118

(continued)

See footnotes at end of table

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
26 Lett												
Products of Agriculture	-	100	-	87	-	75	-	49	-	66	-	75
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	2	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	100	-	87	-	75	-	49	-	66	-	75
27 Ceepee												
Products of Agriculture	-	193	-	181	-	97	-	49	-	131	-	152
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	6	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	6	-	1	-	1	-	-	-	-	-
Total	-	193	12	181	1	97	1	49	-	131	-	152
28 Downe												
Products of Agriculture	-	149	-	115	-	85	-	77	-	107	-	118
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	149	-	115	-	85	-	77	-	107	-	118
29 Ibstone												
Products of Agriculture	-	128	-	122	-	79	-	46	-	82	-	72
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	1	-	-	-	-	-	-	-	-	-
Total	-	128	1	122	-	79	-	46	-	82	-	72
30 Cloan												
Products of Agriculture	-	208	-	133	-	123	-	76	-	195	-	210
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	3	1	-	1	2	1	-	-	-	-	-	1
Total	3	209	-	134	2	124	-	76	-	195	-	211

See footnotes at end of table (continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968.		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
31 Bents												
Products of Agriculture	-	130	-	127	-	96	-	82	-	79	-	123
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	1	1	-	1	-	-	1	-	-	-	-
Total	1	131	1	127	1	96	-	83	-	79	-	123
32 Thackeray												
Products of Agriculture	-	163	-	115	-	93	-	49	-	99	-	119
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	3	1	-	1	-	-	-	-	2	1
Total	-	163	3	116	-	94	-	49	-	99	2	120
33 Valley Centre												
Products of Agriculture	-	160	-	146	-	99	-	80	-	79	-	127
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	1	4	1	-	-	-	-	-	-	-	1
Total	1	161	4	147	-	99	-	80	-	79	-	128
34 Traynor												
Products of Agriculture	-	82	-	69	-	59	-	25	-	42	-	58
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	1	-	1	-	-	-	-
Manufactures and Misc.	-	-	-	2	-	60	-	26	-	42	-	58
Total	-	82	-	71	-	60	-	26	-	42	-	58
<i>Hamlets</i>												
35 Environ												
Products of Agriculture	-	130	-	126	-	81	-	35	-	96	-	120
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	2	-	-	-	-	1	-	-	-	-	-
Total	-	132	-	126	-	81	1	35	-	96	-	120

See footnotes at end of table (continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
36 Red Pheasant	-	31	-	30	-	12	-	-	-	2	-	12
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	31	-	30	-	12	-	-	-	2	-	12
37 Prongue	-	189	-	175	-	94	-	91	-	112	-	107
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	1	-	-	1	-	-	-	-	-	-	-	1
Manufactures and Misc.	1	189	-	176	-	94	-	91	-	112	-	108
Total	1	189	-	176	-	94	-	91	-	112	-	108
38 Phippen	-	174	-	130	-	125	-	52	-	147	-	182
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	2	-	-	-	-	-	-	-	-	-	-	-
Total	2	174	-	130	-	125	-	52	-	147	-	182
39 Marriott	-	209	-	225	-	118	-	110	-	139	-	174
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	2	-	4	2	-	-	-	-	-	-	-	-
Total	2	209	4	227	-	118	-	110	-	139	-	174
40 Anglia	-	156	-	97	-	70	-	77	-	131	-	130
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	1	-	3	-	1	-	-	-	-	-	-	-
Total	1	156	3	97	1	70	-	77	-	131	-	130

(continued)

See footnotes at end of table

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
41 Revenue												
Products of Agriculture	-	236	-	178	-	137	-	65	-	135	-	236
Animals and Products	-	-	-	-	-	1	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	3	-	-	1	2	-	-	-	-	-	-	1
Manufactures and Misc.	3	236	4	179	2	138	-	65	-	135	-	237
Total	3		4		2							
42 Baljennie												
Products of Agriculture	-	89	-	91	-	79	-	38	-	77	-	114
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	4	-	4	-	3	-	3	-	3	-	2	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	2	-	-	1	-	-	-	-	-	-	-	-
Total	6	89	4	92	3	79	3	38	3	77	2	114
43 Grandora												
Products of Agriculture	-	-	-	5	-	16	-	32	-	53	-	79
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	1	-	-
Manufactures and Misc.	-	-	-	-	-	-	-	-	-	54	-	79
Total	-	-	-	5	-	16	-	32	-		-	
44 Druid												
Products of Agriculture	-	207	-	162	-	86	-	102	-	142	-	198
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	1	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	3	2	5	-	1	-	91	-	-	-	-	-
Total	4	209	5	162	1	86	91	102	-	142	-	198
45 Feudal												
Products of Agriculture	-	152	-	119	-	83	-	72	-	91	-	131
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	4	2	4	1	1	-	-	-	-	-	-	-
Total	4	154	4	120	1	83	-	72	-	91	-	131

(continued)

See footnotes at end of table

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
46 Kelfield												
Products of Agriculture	-	183	-	144	-	119	-	62	-	136	-	159
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	3	-	1	-	-	-	-	-	-	-	-	-
Total	3	183	1	144	-	119	-	62	-	136	-	159
47 Duperow												
Products of Agriculture	-	143	-	147	-	95	-	94	-	116	-	133
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	5	1	3	-	2	-	2	-	-	-	1	-
Total	5	144	3	147	2	95	2	94	-	116	1	133
48 Struan												
Products of Agriculture	-	156	-	184	-	123	-	74	-	116	-	220
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	2	-	1	-	1	-	2	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	1
Manufactures and Misc.	2	-	2	-	2	1	-	2	-	-	-	-
Total	4	156	3	184	3	124	2	76	-	116	-	221
49 Laura												
Products of Agriculture	-	226	-	172	-	109	-	120	-	134	-	239
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	2	1	1	1	1	-	-	-	-	-	-	4
Total	2	227	1	173	1	109	-	120	-	134	-	243
50 Rockhaven												
Products of Agriculture	-	412	-	372	-	321	-	282	-	546	1	745
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	1	-	-	-
Manufactures and Misc.	50	-	44	4	16	1	8	1	1	1	3	1
Total	50	412	44	376	16	322	8	283	2	547	4	746

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
51 Kinley (C.N.)												
Products of Agriculture	-	182	-	193	-	79	-	180	-	226	-	312
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	-	10	-	3	-	-	-	-	-	-	-
Total	-	182	10	193	3	79	-	180	-	226	-	312
51 Kinley (C.P.)												
Products of Agriculture	-	111	1	75	-	41	-	25	-	8	-	32
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	-	-	-	-	-	-	-	-	-	1
Products of Forests	-	-	2	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	-	1	-	1	-	-	-	4	-	-	-	-
Total	1	112	3	76	-	41	-	29	-	8	-	33
52 Broadacres												
Products of Agriculture	-	156	-	143	-	105	-	81	-	103	-	187
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	1	-	-	-	-
Manufactures and Misc.	-	-	-	1	-	-	-	-	-	-	-	-
Total	-	156	-	144	-	105	-	82	-	103	-	187
53 Springwater												
Products of Agriculture	-	207	-	204	-	172	-	132	-	138	-	178
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	6	-	3	-	2	-	3	1	-	-	2	-
Manufactures and Misc.	6	207	3	204	2	172	3	133	-	138	2	178
Total	6	207	3	204	2	172	3	133	-	138	2	178
Villages												
54 Leipzig												
Products of Agriculture	-	220	-	205	-	146	-	95	-	169	-	258
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	2	-	2	-	1	-	1	-	1	-	1	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	6	3	6	3	3	-	3	1	-	-	-	-
Total	8	223	8	208	4	146	4	96	1	169	1	258

(continued)

See footnotes at end of table

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
55 Ruthilda												
Products of Agriculture	-	213	-	201	-	128	-	132	-	174	-	168
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	45.	1	44	-	44	-	46	-	43	1	-	-
Total	45	214	44	201	44	128	46	132	43	175	-	168
56 Stranraer												
Products of Agriculture	-	300	-	212	-	128	-	139	-	224	-	294
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	6	-	9	1	2	-	111	-	5	-	-	-
Total	7	300	9	213	2	128	111	139	5	224	-	294
57 Tossier												
Products of Agriculture	-	151	-	167	-	121	-	104	-	170	-	242
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	1	-	1	-	1	-	-	-	1	-
Products of Forests	-	-	-	-	2	-	1	-	2	-	-	-
Manufactures and Misc.	33	-	29	-	18	-	15	-	12	-	5	-
Total	34	151	30	167	21	121	17	104	14	170	6	242
58 Arelee												
Products of Agriculture	-	269	-	255	-	175	-	57	-	208	-	277
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	2	-	1	-	1	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	2	2	3	-	1	-	-	-	-	-	-	-
Total	4	271	4	255	2	175	-	57	-	208	-	277
59 Handel												
Products of Agriculture	-	293	-	251	-	175	-	101	-	216	-	258
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	19	-	17	-	20	-	11	-	-	-	1	-
Total	20	293	17	251	20	175	11	101	-	216	1	258

(continued)

See footnotes at end of table

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
60 Zealandia												
Products of Agriculture	-	352	-	331	-	255	-	298	-	439	-	648
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	8	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	35	1	25	-	2	-	1	-	1	-	-	-
Total	35	353	33	331	2	255	1	298	1	439	-	648
61 Cando												
Products of Agriculture	-	272	-	217	-	166	-	147	-	272	-	338
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	7	-	5	-	2	-	2	1	-	-	-	5
Total	7	272	5	217	2	166	2	148	-	272	-	343
62 Sonningdale												
Products of Agriculture	-	184	-	164	-	128	-	76	-	171	-	182
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	2	-	1	-	-	1	2	-	-	-	2	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	4	-	5	-	2	1	-	-	-	-	1	-
Total	6	184	6	164	2	130	2	76	-	171	3	182
63 Herschel												
Products of Agriculture	-	567	-	449	-	303	-	260	-	514	-	751
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	5	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	39	3	45	1	28	2	35	-	8	1	3	1
Total	43	570	45	450	28	305	35	260	8	515	3	752
64 Scott												
Products of Agriculture	-	234	-	184	-	151	-	123	-	165	-	294
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	4	1	6	2	4	-	-	-	-	-	-	-
Total	4	235	6	186	4	151	-	123	-	165	-	294

See footnotes at end of table

(continued)

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
- carloads -												
65 Tramping Lake												
Products of Agriculture	-	360	-	314	-	250	-	173	-	245	-	427
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	2	-	3	-	2	-	2	-	2	-	1	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	45	2	37	2	35	-	29	4	32	2	-	-
Total	47	362	40	316	37	250	31	177	34	247	1	427
66 Asquith												
Products of Agriculture	-	257	-	288	-	192	-	173	-	319	-	406
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	-	-	-	-	1	-	-	-	-	-	-	-
Manufactures and Misc.	7	-	10	-	7	-	3	-	-	-	5	-
Total	7	257	10	288	8	192	3	173	-	319	5	406
67 Plenty												
Products of Agriculture	1	437	-	309	-	192	-	198	-	375	-	511
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	2	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	4	-	5	-	1	-	-	-	-	-	-	-
Manufactures and Misc.	13	1	9	1	2	1	156	1	-	-	3	1
Total	20	438	14	310	3	193	156	199	-	375	3	512
68 Harris												
Products of Agriculture	-	310	-	311	-	134	-	239	-	344	-	591
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	1	-	2	-	1	-	2	-	-	-	1	-
Products of Forests	-	-	-	-	-	-	-	-	-	-	-	-
Manufactures and Misc.	41	2	47	1	48	-	39	-	4	-	1	-
Total	42	312	49	312	49	134	41	239	4	344	2	591
69 Landis												
Products of Agriculture	-	425	-	361	-	367	-	274	-	410	-	713
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	2	-	-	-	-	-	-	-	-	-
Products of Forests	12	-	5	-	6	-	6	-	7	-	3	-
Manufactures and Misc.	153	-	119	-	100	2	78	-	59	1	58	-
Total	165	425	126	361	106	369	84	274	66	411	61	713

(continued)

See footnotes at end of table

TABLE 1.11 REVENUE CARLOAD RAIL TRAFFIC BY DELIVERY POINT IN THE STUDY AREA, 1966 TO 1971 (continued)

Delivery Point	1966		1967		1968		1969		1970		1971	
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
<i>Towns</i>												
70 Perdue												
Products of Agriculture	-	220	-	165	-	138	-	126	-	214	-	302
Animals and Products	-	1	-	-	-	-	-	-	-	2	-	-
Products of Mines	-	-	-	-	-	-	-	-	1	-	1	-
Products of Forests	5	-	5	-	4	-	-	-	44	2	62	-
Manufactures and Misc.	77	2	75	2	72	-	-	126	45	218	63	302
Total	82	223	80	167	76	138	-	-	-	-	-	-
							- carloads -					
71 Battleford												
Products of Agriculture	-	-	-	-	-	-	-	-	-	-	-	-
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	-	-
Products of Forests	4	-	4	-	3	-	2	-	3	-	2	-
Manufactures and Misc.	21	-	-	-	-	-	1	-	-	1	1	-
Total	25	-	4	-	3	-	3	-	3	1	3	-
72 Delisle												
Products of Agriculture	-	338	-	351	-	166	-	227	-	276	-	457
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	3	-	3	-	2	-	3	-	2	-	3	-
Products of Forests	5	-	6	-	5	-	2	-	2	-	2	-
Manufactures and Misc.	94	1	106	-	104	-	68	-	49	-	57	-
Total	102	339	115	351	111	166	73	227	53	276	62	457
<i>Greater Towns</i>												
73 Wilkie												
Products of Agriculture	7	429	8	427	5	373	-	217	-	484	-	667
Animals and Products	-	11	5	12	-	-	-	-	-	-	-	-
Products of Mines	6	2	5	-	1	1	2	1	1	-	-	1
Products of Forests	2	-	8	-	14	-	5	-	1	-	7	-
Manufactures and Misc.	148	1	148	3	119	6	114	6	94	3	115	1
Total	163	443	174	442	139	380	221	224	96	487	122	669
74 Biggar												
Products of Agriculture	-	101	-	92	-	79	-	48	-	100	-	181
Animals and Products	-	-	-	-	-	-	-	-	-	-	-	-
Products of Mines	-	-	-	-	-	-	-	-	-	-	2	-
Products of Forests	4	-	3	-	8	-	-	-	1	-	13	-
Manufactures and Misc.	7	-	6	-	10	2	1	-	1	2	1	-
Total	11	101	9	92	18	81	1	48	2	102	16	181

Products of Agriculture - All grains, seeds, flour, hay and straw, fruits and vegetables, etc.
 Animals and Products - All livestock, poultry, meats, fish, dairy products, etc.
 Products of Mines - Coal, mineral ores and concentrates, cement, brick, asphalt, etc.
 Products of Forests - Logs, lumber, all processed natural wood, plywood, shingles, pulpwood, etc.
 Manufactures and Misc. - Petroleum products, chemicals, fertilizer, machinery and parts, vehicles, furniture, food and feed products, woodpulp, newsprint paper, etc.

Source: Canadian National Railways, Freight Sales, Winnipeg, Manitoba.
 Canadian Pacific Railways, Department of Research, Montreal, Quebec.

Railway Freight Density

For purposes of internal management, the railway companies keep detailed records of the annual tonnage of revenue freight carried on each mile of trackage. In Figure 1.2, this information for 1968 has been placed on a railway map of northern Saskatchewan that includes the Biggar study area.

The data in Figure 1.2 is expressed in thousands of net tons of freight per mile of track, and the map indicates where traffic is heavy and where it is light. Some transport authorities measure the profitability of rail lines by their traffic density or by the traffic that they generate. These measurements, however, do not consider the nature of the traffic carried or the rates charged. Despite the shortcomings of such methods, the map in Figure 1.2 has been coded to show lower density lines where the traffic was less than 100,000 net tons per mile of track and higher density lines where the traffic was more than 100,000 net tons per mile of track.

In 1968, the traffic density of the study area ranged from 12,000 net tons on the Porter subdivision to nearly 7.0 million net tons on the Wainwright subdivision. The Cutknife, Porter, Asquith, Kelfield, Dodsland and Rosetown subdivisions were considered to be light density lines.

It may be said that three kinds of railway operations exist: namely, those that are profitable, those that are unprofitable and those that are not clearly profitable or unprofitable. In the United States, the Federal Railroad Administration is endeavoring to establish "automatic" minimum, quantifiable standards for determining unprofitability and, therefore, abandonment. One such proposed standard is the 34-car rule which basically states that a rail line is uneconomic if it carries less than 34 carloads of freight per mile of track each year. This rule, like measurement of traffic density, does not take into account the nature of the freight carried or the revenue earned.

In 1968, the Asquith subdivision carried an average of 14 carloads per mile over its 43.8 miles of track, and in 1971 the average number of carloads per mile was 21. With 27.9 miles of track, the Kelfield subdivision averaged 18 carloads per mile in 1968 and 25 carloads per mile in 1971.

Highway Transportation Services

Truck data for traffic similar to railway data for traffic to and from each community was not available. Most communities are, however, served by one or more trucking companies. The names of for-hire common and contract carriers serving each center are listed in Table 1.12. Excluded from this list, of course, are farm trucks as well as private urban and private intercity truckers.

Only two of the communities "too small to classify" had trucking service. Nine of the communities in the other classes had no service. All of the remaining communities were served by at least one carrier, with most of them being served by two or more carriers.

TABLE 1.12 TRUCK SERVICE BY COMMUNITY, 1972

Delivery Point	For-Hire Carriers										
	Schultz Transport	Canadian Pacific Transport	Biggar Transport	McKay's Transport	Soo-Security Motorways Ltd.	Canadian National Transport	Leonard's Transport	Kindersley Transport Ltd.	D & R Transport	Henry's Transport	Boyd Bagnall Transport
Too Small to Classify											
19 Keppel							X				
34 Traynor		X									
Hamlets											
35 Enviro	X										
37 Prongue						X	X		X		
38 Phippen							X				
41 Revenue											
44 Druid		X						X			
46 Kelfield											
48 Struan						X					
49 Laura											
51 Kinley		X	X				X				
52 Broadacres						X		X			
53 Springwater											
Villages											
54 Leipzig							X				
55 Ruthilda						X		X			
56 Stranraer		X						X			
57 Tessier						X					
58 Arelee	X						X				
59 Handel											
60 Zealandia						X		X			
62 Sonningdale	X							X			
63 Herschel		X				X	X				
64 Scott							X				
65 Tramping Lake											
66 Asquith		X	X					X			
67 Plenty		X				X		X			
68 Harris											
Towns											
69 Landis						X	X				
70 Perdue		X	X							X	
71 Battleford				X	X	X		X			
72 Delisle											
Greater Towns											
73 Wilkie		X					X				X
74 Biggar		X	X		X	X					

Source: Saskatchewan Shippers' Directory, 1972

PART II

GRAIN PRODUCTION CHARACTERISTICS

Physical Features and Soil Capability for Agriculture¹

The study area encompasses about three million acres of farmland that lie partly within the Saskatchewan Plains Region and partly within the Alberta High Plains Region. Respectively, these Regions are commonly called the Second and Third Prairie Steppes. The northeastern part of the study area lies within the Saskatchewan Rivers Section of the Second Prairie Steppe where local relief is usually less than 10 feet with elevations ranging from 1,700 to 1,900 feet above sea level. The rest of the study area lies within the Third Prairie Steppe, which is marked by the Eagle Hills escarpment of the Missouri Coteau. This escarpment rises abruptly to over 200 feet above the Saskatchewan Plains to the northeast and to over 100 feet above the plains to the southwest. The highest elevation in the Eagle Hills uplands is 2,400 feet.

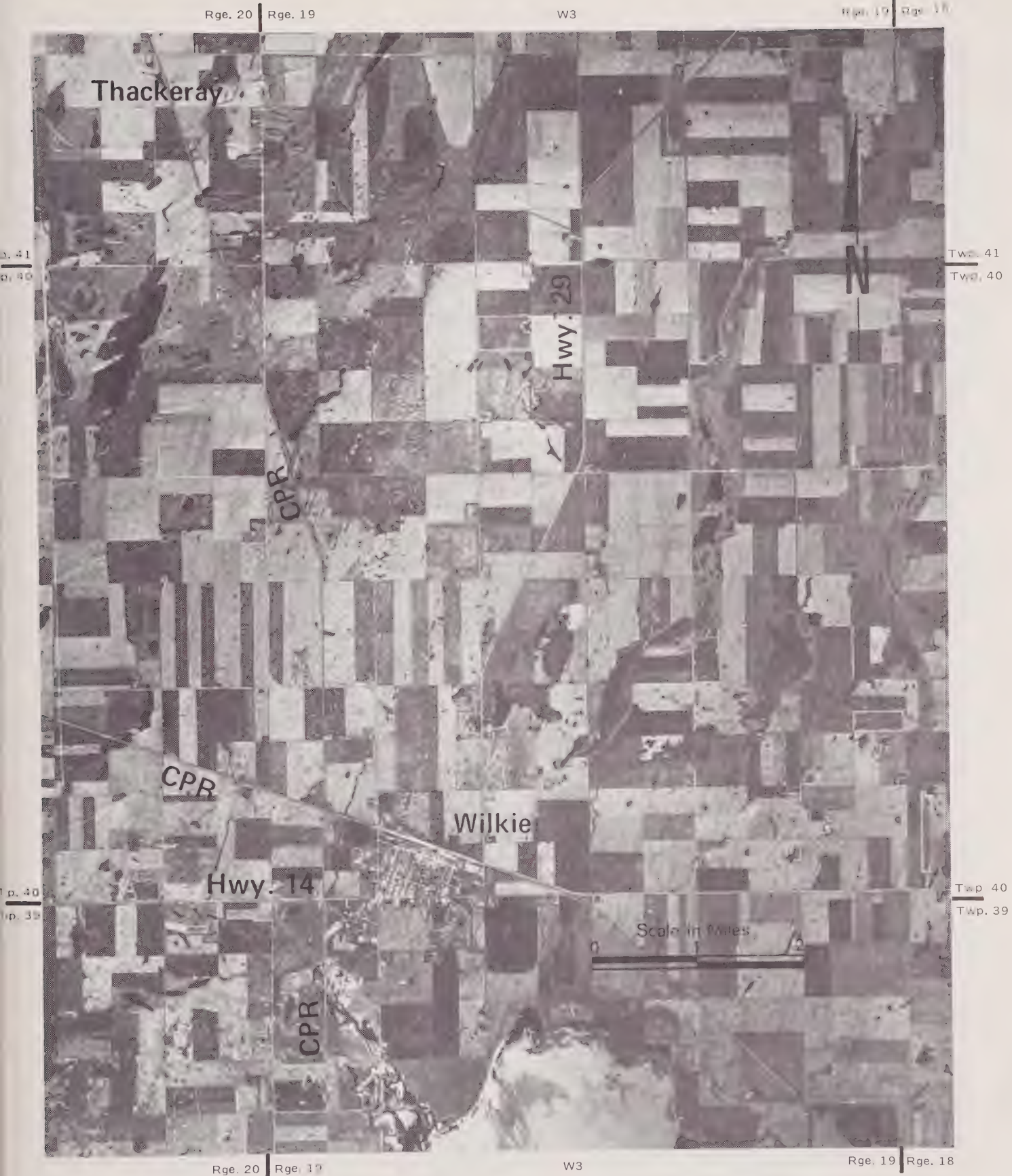
In the study area, the Saskatchewan Rivers Plain Section of the Second Prairie Steppe is drained externally by the North Saskatchewan River. The plain to the southwest of the Missouri Coteau in the Third Prairie Steppe is characterized by low relief with surface drainage usually limited to local sloughs or blocked ice marginal drainage channels. Eaglehill Creek provides limited external drainage.

Most of the study region is in the Dark Brown soil zone and has a capability for agriculture ranging from Class 2 to Class 5. A small area south of the North Saskatchewan River and in the Black soil zone has moderately rolling to hilly topography. There the capability for agriculture is Class 5 and Class 6. For the most part, the limitations in the Biggar area include low permeability, low moisture-holding capacity, salinity and poor drainage.

¹For a more detailed description of topography and soil capability in the Biggar region, see J. H. Richards and K. I. Fung, Atlas of Saskatchewan, Saskatoon, University of Saskatchewan, 1969; and Canada Land Inventory, Soil Capability for Agriculture sheet maps for Saskatchewan.

Sample Aerial Photos

Figures 2.1, 2.2 and 2.3 are aerial photographs of selected localities in the Biggar study region that were taken in 1970 by the Prairie Farm Assistance Administration and used by that agency in its association with Operation LIFT. Communities, railroads and highways are identified on the figures, which have been included in the study simply to show the kind of aerial photos that are available for the entire prairie region. Their scale is such that approximately 0.8 of an inch equals 1.0 mile.



AERIAL VIEW OF WILKIE AREA

Figure 2.1



AERIAL VIEW OF SCOTT-REFORD AREA

Figure 2.2

wp. 38
wp. 37

Twp. 38
Twp. 37

wp. 37
wp. 36

Twp. 37
Twp. 36



AERIAL VIEW OF ASQUITH AREA

Temperature Norms and Extremes

Temperature norms and extremes for six weather reporting stations are shown in Table 2.1. Although two of the stations are located just outside the boundaries of the study region, North Battleford to the north and Rosetown to the south, it would appear that the data gives a good indication of temperatures within the study region.

July mean daily temperatures range from 63.9°F at Scott to 67.3°F at Anglia. The same mean temperature reading in January ranges from -0.5°F at Harris and Scott to 3.9°F at Anglia. In the month of July, Rosetown recorded the highest temperature, 111°F. North Battleford had the lowest reading, -61°F, in January.

In general, the climate is continental with wide variations both in day and night temperatures and in seasonal temperatures. There are resultant climatic limitations for growing of crops in some parts of the region.

The northern portion of the study area has moderate limitations due to a short growing season. The annual growing season is 164 days with 80-90 days usually being the average frost-free period. The accumulative number of degree-days ranges from 2,000 - 2,400.¹ While the southern part of the region also has moderate limitations, these are due to aridity. The annual growing season is 170 days and the frost-free period is generally more than 90 days. In this part of the study area, the accumulative number of degree days ranges from 2,250 - 2,500.

Precipitation

Table 2.2 shows monthly and annual precipitation averages in terms of rainfall, snowfall and total precipitation for meteorological stations at Biggar, Harris, North Battleford, Rosetown and Scott. The annual average precipitation ranges from 12.8 inches at Harris to 14.1 inches at Scott. In the five-month period from May to September, the five stations receive from 63 to 67 percent of their annual precipitation. June is the month of highest precipitation for all stations except North Battleford where the most precipitation occurs in July. Approximately 73 percent of annual precipitation is in the form of rain.

¹The amount of effective heat available to plants is sometimes expressed in terms of "growing degree-days" or "degree-days". Degree-days are most commonly calculated from a basic temperature of 42°F which is near the threshold of growth for a number of common crops. One growing degree-day results from each degree that the mean temperature for the day is above 42°F. No degree-days are counted when the mean temperature is equal to or below 42°F.

TABLE 2.1 TEMPERATURE NORMS AND EXTREMES FOR SPECIFIED METEOROLOGICAL STATIONS

Meteorological Station	January	February	March	April	May	June	July	August	September	October	November	December	Year
	- degrees Fahrenheit -												
Anglia													
Mean Daily Maximum ^a	12.7	15.8	28.9	52.0	67.1	73.2	81.8	78.1	66.4	53.5	31.2	18.9	48.3
Mean Daily Minimum ^a	-4.9	-2.5	10.6	27.4	38.6	47.0	52.7	48.4	39.5	28.6	13.3	2.0	25.1
Mean Daily Temperature ^a	3.9	6.7	19.8	39.7	52.9	60.1	67.3	63.3	53.0	41.1	22.3	10.5	36.7
Maximum Temperature ^b	51	59	68	92	100	105	104	99	91	88	69	51	105
Minimum Temperature ^b	-54	-51	-32	-12	11	16	27	29	13	-17	-27	-44	-54
Biggar													
Mean Daily Maximum ^c	11.3	15.6	24.8	50.6	65.9	72.9	81.4	78.3	66.5	53.2	30.8	18.1	47.8
Mean Daily Minimum ^c	-8.8	-5.5	7.3	26.1	38.6	45.9	51.6	48.4	39.1	28.2	11.8	0.8	23.6
Mean Daily Temperature ^c	1.3	5.1	17.9	38.4	52.3	59.4	66.5	63.4	52.8	41.0	21.3	9.5	35.7
Maximum Temperature ^d	60	59	67	91	98	104	104	104	93	94	71	59	104
Minimum Temperature ^d	-50	-52	-35	-25	12	26	32	26	15	-7	-28	-42	-52
Harris													
Mean Daily Maximum ^a	9.8	15.2	28.4	49.2	65.9	73.2	82.0	78.8	66.1	53.7	30.4	16.4	47.4
Mean Daily Minimum ^a	-10.7	-6.6	7.1	25.4	37.6	44.7	51.1	47.3	38.3	26.6	10.9	-2.6	22.4
Mean Daily Temperature ^a	-0.5	4.3	17.8	37.3	51.8	59.0	66.6	63.0	52.2	40.2	20.7	6.9	34.9
Maximum Temperature ^e	50	56	68	93	99	106	105	99	92	95	68	61	106
Minimum Temperature ^e	-50	-47	-33	-14	1	28	35	26	7	-8	-27	-40	-50
North Battleford													
Mean Daily Maximum ^c	8.6	14.3	26.5	48.6	64.6	70.6	78.3	75.3	64.3	51.6	29.1	15.5	45.6
Mean Daily Minimum ^c	-9.1	-5.2	7.8	27.1	39.6	47.2	53.0	49.7	40.5	29.6	13.0	-1.2	24.3
Mean Daily Temperature ^c	-0.3	4.6	17.2	37.9	52.1	58.9	65.7	62.5	52.4	40.6	21.1	7.2	35.0
Maximum Temperature ^e	52	53	75	94	101	101	103	100	96	87	69	55	103
Minimum Temperature ^e	-61	-56	-42	-18	10	24	32	29	12	-19	-40	-46	-61
Rosetown													
Mean Daily Maximum ^f	11.4	15.3	28.1	49.3	65.5	72.2	79.4	77.3	66.2	53.5	32.0	18.9	47.5
Mean Daily Minimum ^f	-6.8	-5.3	8.9	26.3	38.7	46.4	52.4	48.7	40.2	27.9	13.6	0.3	24.3
Mean Daily Temperature ^f	2.3	5.0	18.5	37.8	52.1	59.3	65.9	63.0	53.2	40.7	22.8	9.6	35.9
Maximum Temperature ^g	50	47	65	96	93	108	111	110	95	92	71	61	111
Minimum Temperature ^g	-53	-44	-36	-19	10	28	27	28	7	-8	-25	-42	-53
Scott													
Mean Daily Maximum ^c	8.7	13.5	26.1	48.8	64.4	70.5	78.4	75.4	64.3	51.5	28.7	15.5	45.5
Mean Daily Minimum ^c	-9.7	-7.1	6.2	25.2	36.3	43.9	49.3	46.1	37.3	26.6	11.2	-2.2	21.9
Mean Daily Temperature ^c	-0.5	3.2	16.2	37.0	50.4	57.2	63.9	60.8	50.8	39.1	20.0	6.7	33.7
Maximum Temperature ^h	45	53	65	92	99	103	100	100	93	87	68	56	103
Minimum Temperature ^h	-55	-59	-38	-23	10	10	27	27	8	-16	-42	-49	-59

^aThese averages are based on a period of record of 10 to 24 years during the period 1931 to 1960. No adjustment factor has been used.

^bExtremes are for 30 to 39 years.

^cNormals were computed directly from a period of record of 25 to 30 years within the period 1931-1960. In most cases, the record existed over the full 30 years.

^dExtremes are for 40 to 49 years.

^eExtremes are for 60 to 69 years.

^fThe data for these normals were from the full ten-year period, 1951-1960, adjusted to the standard normal period, 1931-1960.

^gExtremes are for 20 to 29 years.

^hExtremes are for 50 to 59 years.

Source: Temperature and Precipitation Tables for Prairie Provinces, Vol. III, Canada Department of Transport, Meteorological Branch, Toronto, Ontario, 1967.

TABLE 2.2 MONTHLY AND ANNUAL AVERAGE PRECIPITATION FOR SPECIFIED METEOROLOGICAL STATIONS

Meteorological Station	January	February	March	April	May	June	July	August	September	October	November	December	Year
Biggar													
Mean Rainfall ^a	0.00	0.01	0.02	0.50	1.38	2.50	1.95	1.86	1.23	0.40	0.12	0.04	10.01
Mean Snowfall ^a	5.9	5.8	7.5	2.7	0.1	0.0	0.0	0.0	0.7	2.0	3.3	5.7	33.7
Mean Total Precipitation ^b	0.59	0.59	0.77	0.77	1.39	2.50	1.95	1.86	1.30	0.60	0.45	0.61	13.38
Harris													
Mean Rainfall ^a	0.00	0.00	0.01	0.49	1.25	2.49	1.74	1.26	1.28	0.35	0.05	0.01	8.93
Mean Snowfall ^a	5.8	6.8	6.2	3.2	0.2	0.0	0.0	0.0	0.2	3.4	6.1	7.1	39.0
Mean Total Precipitation ^b	0.58	0.68	0.63	0.81	1.27	2.49	1.74	1.26	1.30	0.69	0.66	0.72	12.83
North Battleford													
Mean Rainfall ^c	0.03	0.01	0.02	0.47	1.28	2.20	2.24	1.71	1.11	0.63	0.12	0.01	9.83
Mean Snowfall ^c	6.3	5.2	5.6	3.6	0.4	0.0	0.0	0.0	0.4	3.0	6.2	8.1	38.8
Mean Total Precipitation ^b	0.66	0.53	0.58	0.83	1.32	2.20	2.24	1.71	1.15	0.93	0.74	0.82	13.71
Rosetown													
Mean Rainfall ^d	0.00	0.01	0.03	0.54	1.20	2.51	2.25	1.65	1.26	0.48	0.08	0.04	10.05
Mean Snowfall ^d	6.1	4.6	4.7	3.6	0.2	0.0	0.0	0.0	0.3	3.0	4.6	5.7	32.8
Mean Total Precipitation ^b	0.61	0.47	0.50	0.90	1.22	2.51	2.25	1.65	1.29	0.78	0.54	0.61	13.33
Scott													
Mean Rainfall ^d	0.02	0.00	0.02	0.56	1.51	2.26	2.19	1.81	1.12	0.50	0.08	0.04	10.11
Mean Snowfall ^d	6.6	5.9	6.4	2.9	0.1	0.0	0.0	0.0	0.7	2.8	6.8	7.2	39.4
Mean Total Precipitation ^b	0.68	0.59	0.66	0.85	1.52	2.26	2.19	1.81	1.19	0.78	0.76	0.76	14.05

^aThese averages are based on a period of record of 10 to 24 years during the period 1931 to 1960. No adjustment factor has been used.

^bTotal precipitation measured in inches of rain. Ten inches of snow equals one inch of rain.

^cThe observing station was moved from the city to the airport during the 1950's. The airport and city data were considered homogeneous. The resulting normals were based on the full 30-year period from 1931-1960.

^dNormals were computed directly from a period of record of 25 to 30 years within the period 1931-1960. In most cases the record existed over the full 30 years.

Source: Temperature and Precipitation Tables for Prairie Provinces, Vol. III, Canada Department of Transport, Meteorological Branch, Toronto, Ontario, 1967.

Hail Insurance

Table 2.3 contains information obtained from the Saskatchewan Municipal Hail Insurance Association regarding number of claims filed, acres insured and acres on which damage was claimed by municipalities in the Biggar region. Over the ten-year period from 1962 to 1971, an average of 717,184 acres was insured each year. Claims for crop damage on insured acres ranged from 5.9 percent in the municipality of North Battleford to 31.2 percent in the municipality of Grandview. For the study area, claims for crop damage in the same period averaged 125,421 acres or 17.5 percent of insured acres, while the percentage of insured acres for which damage was claimed each year ranged from a low of 8.6 percent to a high of 41.2 percent. In the municipalities of Glenside and Prairie, the average number of claims was less than two each year.

TABLE 2.3 SASKATCHEWAN MUNICIPAL HAIL INSURANCE: NUMBER OF CLAIMS FILED, ACRES INSURED AND ACRES ON WHICH DAMAGE CLAIMED IN THE STUDY AREA, 1962 TO 1971

Rural Municipality	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	Avg./Yr.
287. St. Andrews Number of Claims Filed Acres Insured Acres on Which Damage Claimed Percent	38 38,668 5,772 14.9	81 42,442 17,921 42.2	34 43,496 360 0.8	45 46,323 10,964 23.7	2 48,953 0 0	18 47,907 4,068 8.5	51 48,421 12,043 24.9	51 50,593 10,033 19.8	32 44,769 6,242 13.9	34 55,845 8,485 15.2	38.6 46,742 7,589 16.2
288. Pleasant Valley Number of Claims Filed Acres Insured Acres on Which Damage Claimed Percent	33 29,174 6,922 23.7	33 32,550 5,735 17.6	14 32,756 2,580 7.9	21 36,438 4,243 11.6	26 34,933 7,345 21.0	0 35,532 0 0	25 35,744 5,044 14.1	41 35,481 7,162 20.2	17 29,607 3,078 10.4	25 36,248 5,579 15.4	23.5 33,846 4,769 14.1
316. Harris Number of Claims Filed Acres Insured Acres on Which Damage Claimed Percent	1 47,457 280 0.6	146 47,836 28,367 59.3	32 47,353 5,462 11.5	5 47,959 1,142 2.4	6 49,764 916 1.8	36 49,708 7,856 15.8	38 51,735 7,907 15.3	10 45,598 1,210 2.7	70 36,279 10,986 30.3	10 45,612 2,010 4.4	35.4 46,930 6,614 14.1
317. Marriott Number of Claims Filed Acres Insured Acres on Which Damage Claimed Percent	0 7,384 0 0	57 21,143 2,598 12.3	1 25,834 168 0.7	20 25,054 2,847 11.4	3 27,287 445 1.6	3 28,536 405 1.4	42 29,503 11,333 38.4	1 26,329 115 0.4	28 18,232 3,809 20.9	8 25,495 901 3.5	16.3 23,480 2,262 9.6
318. Mountain View Number of Claims Filed Acres Insured Acres on Which Damage Claimed Percent	68 36,658 9,973 27.2	135 41,120 29,284 71.2	0 47,770 0 0	31 48,014 7,055 14.7	59 49,607 12,690 25.6	0 50,344 0 0	93 46,479 23,538 50.6	65 49,786 12,969 26.0	16 34,794 2,363 6.8	4 48,550 949 2.0	47.1 45,312 9,882 21.8
345. Vanscoy Number of Claims Filed Acres Insured Acres on Which Damage Claimed Percent	13 61,323 2,013 3.3	158 67,888 28,844 42.5	5 64,182 415 0.6	8 68,807 987 1.4	68 69,396 14,508 20.9	5 67,500 560 0.8	4 69,647 590 0.8	36 62,310 5,702 9.2	9 49,248 885 1.8	117 61,885 25,453 41.1	42.3 64,219 7,996 12.5
346. Perdue Number of Claims Filed Acres Insured Acres on Which Damage Claimed Percent	0 59,931 0 0	150 60,950 27,137 44.5	75 63,754 12,125 19.0	8 65,486 1,262 1.9	64 66,910 13,038 19.5	47 68,266 9,636 14.1	41 68,338 6,021 8.8	21 66,098 3,302 5.0	5 42,006 709 1.7	153 69,285 31,394 45.3	56.4 63,102 10,462 16.6
347. Biggar Number of Claims Filed Acres Insured Acres on Which Damage Claimed Percent	60 41,270 12,652 30.7	151 43,165 27,157 62.9	114 49,825 25,263 50.7	63 49,784 9,611 19.3	75 53,148 14,107 26.5	21 49,228 3,809 7.7	22 49,579 3,358 6.8	9 44,026 1,794 4.0	7 29,931 817 2.7	45 40,533 12,151 30.0	56.7 45,049 11,072 24.6

(continued)

TABLE 2.3 SASKATCHEWAN MUNICIPAL HAIL INSURANCE: NUMBER OF CLAIMS FILED, ACRES INSURED AND ACRES ON WHICH DAMAGE CLAIMED IN THE STUDY AREA, 1962 TO 1971 (continued)

Rural Municipality	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	Avg./Yr.
375. Park ^a											
Number of Claims Filed	0	29	2	0	6	25	0	1	0	0	7.8
Acres Insured	3,534	17,146	18,587	19,105	16,531	16,094	19,424	17,307	0	0	15,966
Acres on Which Damage Claimed	0	3,870	149	0	882	4,115	0	255	0	0	1,159
Percent	0	22.6	0.8	0	5.3	25.6	0	1.5	0	0	7.3
376. Eagle Creek											
Number of Claims Filed	6	167	0	30	52	69	9	1	19	10	36.3
Acres Insured	41,626	43,149	44,050	41,073	44,896	43,661	43,896	38,903	25,496	39,951	40,670
Acres on Which Damage Claimed	1,018	22,116	0	4,705	13,490	14,531	1,664	65	2,901	1,472	6,196
Percent	2.4	51.3	0	11.5	30.0	33.3	3.8	0.2	11.4	3.7	15.2
377. Glenside											
Number of Claims Filed	0	3	0	2	0	7	0	0	0	0	1.2
Acres Insured	690	867	1,425	2,937	1,796	1,675	2,213	2,314	2,014	3,216	1,915
Acres on Which Damage Claimed	0	437	0	300	0	740	0	0	0	0	148
Percent	0	50.4	0	10.2	0	44.2	0	0	0	0	7.7
378. Rosemount											
Number of Claims Filed	0	12	1	1	16	6	4	2	0	1	4.3
Acres Insured	0	4,829	4,348	4,749	4,457	4,347	6,619	5,528	4,094	5,955	4,493
Acres on Which Damage Claimed	0	1,748	68	100	2,607	1,025	730	560	0	50	689
Percent	0	36.2	1.6	2.1	58.5	23.6	11.0	10.1	0	0.8	15.3
408. Prairie											
Number of Claims Filed	0	0	1	0	5	5	0	1	0	1	1.3
Acres Insured	100	1,804	2,398	3,094	4,165	5,627	5,342	4,460	3,173	5,149	3,531
Acres on Which Damage Claimed	0	0	100	0	1,113	912	0	100	0	8	223
Percent	0	0	4.2	0	26.7	16.2	0	2.2	0	0.2	6.3
438. Battle River											
Number of Claims Filed	0	17	0	21	11	0	0	7	0	7	6.3
Acres Insured	3,825	11,792	13,817	13,165	13,855	12,582	10,286	10,370	9,137	11,087	10,992
Acres on Which Damage Claimed	0	2,959	0	3,213	3,744	0	0	1,460	0	1,873	1,325
Percent	0	25.1	0	24.4	27.0	0	0	14.1	0	16.9	12.1
319. Winslow											
Number of Claims Filed	49	149	10	9	25	5	151	20	7	35	46.0
Acres Insured	34,968	37,658	42,132	43,190	45,143	45,291	45,829	45,790	31,849	49,890	42,174
Acres on Which Damage Claimed	9,051	31,170	1,778	1,432	5,015	960	29,943	3,091	729	4,571	8,774
Percent	25.9	82.8	4.2	3.3	11.1	2.1	65.3	6.8	2.3	9.2	20.8
349. Grandview											
Number of Claims Filed	130	82	128	48	26	4	26	61	20	113	63.8
Acres Insured	30,685	39,778	39,747	41,725	45,494	45,249	44,312	41,520	29,639	40,913	39,913
Acres on Which Damage Claimed	20,841	15,319	32,990	9,739	4,540	1,032	4,095	10,129	3,009	22,678	12,437
Percent	67.9	38.5	83.0	23.3	10.0	2.3	9.2	24.4	10.2	55.3	31.2

See footnotes at end of table (cont inued)

TABLE 2.3 SASKATCHEWAN MUNICIPAL HAIL INSURANCE: NUMBER OF CLAIMS FILED, ACRES INSURED AND ACRES ON WHICH DAMAGE CLAIMED IN THE STUDY AREA, 1962 TO 1971 (concluded)

Rural Municipality	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	Avg./Yr.
350. Mariposa											
Number of Claims Filed	25	44	59	19	43	6	64	75	4	48	38.7
Acres Insured	24,634	26,611	27,720	28,023	30,885	29,528	33,223	30,675	21,822	27,993	28,111
Acres on Which Damage Claimed	4,488	8,583	13,001	3,447	7,557	685	11,059	11,216	680	10,689	7,141
Percent	18.2	32.3	46.9	12.3	24.5	2.3	33.3	36.6	3.1	38.2	25.4
379. Reford											
Number of Claims Filed	48	33	3	8	130	34	0	30	13	64	35.3
Acres Insured	38,137	41,103	41,396	43,735	44,716	43,758	40,208	38,358	24,629	40,644	39,668
Acres on Which Damage Claimed	8,066	4,834	255	2,080	27,386	7,210	0	5,053	2,288	15,803	7,298
Percent	21.1	11.8	0.6	4.8	61.2	16.5	0	13.2	9.3	38.9	18.4
380. Tramping Lake											
Number of Claims Filed	21	57	0	13	75	46	5	36	3	52	30.8
Acres Insured	25,496	29,603	31,288	33,257	35,387	34,341	34,767	34,154	19,284	33,435	31,101
Acres on Which Damage Claimed	3,767	12,432	0	2,950	18,414	9,462	685	5,499	303	12,324	6,584
Percent	14.8	42.0	0	8.9	52.0	27.6	2.0	16.1	1.6	36.9	21.2
409. Buffalo											
Number of Claims Filed	25	44	1	37	22	17	0	18	28	4	19.6
Acres Insured	25,643	32,929	32,383	36,328	37,652	36,768	38,148	34,951	25,441	37,232	33,748
Acres on Which Damage Claimed	4,060	7,758	200	7,973	4,867	5,065	0	4,364	5,511	370	4,017
Percent	15.8	23.6	0.6	21.9	12.9	13.8	0	12.5	21.7	1.0	11.9
437. North Battleford											
Number of Claims Filed	1	7	5	37	39	4	0	0	0	3	9.6
Acres Insured	26,858	27,403	29,624	29,675	30,187	28,919	28,731	28,332	21,417	29,971	28,112
Acres on Which Damage Claimed	268	1,093	288	7,597	6,142	794	0	0	0	265	1,645
Percent	1.0	4.0	1.0	25.6	20.3	2.7	0	0	0	1.0	5.9
Study Area Total											
Number of Claims Filed	518	1,555	485	426	753	358	575	486	278	734	618.3 ^b
Acres Insured	578,061	671,766	703,885	727,921	755,162	744,861	752,444	712,883	502,861	708,954	689,073.0 ^b
Acres on Which Damage Claimed	89,171	279,362	95,202	81,647	158,806	72,865	118,010	84,079	44,310	157,026	118,279.6 ^b
Percent	15.4	41.6	13.5	11.2	21.0	9.8	15.7	11.8	8.8	22.1	17.6

^aThe rural municipalities of 344. Cory, 375. Park and parts of 373. Aberdeen and 374. Warman were disorganized Dec. 31, 1969 to become 344. Gorman Park, Jan. 1, 1970.

^bStudy area total includes eight-year data from 375. Park and ten-year data from the remaining rural municipalities.

Source: Saskatchewan Municipal Hail Insurance Association, Regina, Saskatchewan.

Sales of Farmland

An overview of farmland transactions in the study area is provided by the data in Table 2.4. In the nine-year period from 1963 to 1971, 626 transactions were recorded, averaging 336 acres each. These are representative transactions in the sense that family and other types of deals involving concessions or premiums were excluded from the tabulations; e.g., farmland that was possibly purchased for non-agricultural use since it was adjacent to a town.

From the beginning of the period, the value of land increased and had more than doubled by 1967 when the average price was \$66.07 per acre and the high price was \$150.00 per acre. Afterwards, prices dropped. Many factors are involved in a determination of farmland values. Superficially, the following three factors could be mentioned in an explanation of observed price levels: soil classification, general inflation and the grain marketing situation. Usually, Class 1 or Class 2 land is priced higher than Class 3 or Class 4 land. Over time, general economic inflation is reflected in rising land values. Finally, as grain marketings keep pace with production, there is an upward pressure on land values. When the supply of grain becomes too large relative to demand, however, the pressure on land values is downward. This is what happened after the 1968-69 crop year.

TABLE 2.4 REPRESENTATIVE LAND VALUES BY SALES PRICE PER ACRE, 1963 TO 1971

Year	Number of Transactions	Total Acreage	Price Per Acre ^a		
			Low	High	Average
			\$	\$	\$
1963	66	26,119	11.06	66.09	27.72
1964	92	30,402	8.77	103.45	41.81
1965	95	33,543	4.69	100.63	43.41
1966	90	30,244	12.50	131.25	52.00
1967	77	24,359	12.50	150.00	66.07
1968	69	20,787	15.63	140.75	62.84
1969	41	14,631	12.50	125.00	55.44
1970	36	11,042	12.50	93.17	52.75
1971	60	20,199	6.31	100.00	51.98

^aLess improvements.

Source: Farm Credit Corporation, Regina, Saskatchewan.

Land Use

In Tables 2.5, 2.6 and 2.7, the land use of farm acreage by delivery point is shown in detail for three crop years: 1962-63, 1969-70 and 1970-71. Between 1962-63 and 1969-70, farm acreage in the study area decreased by 6,095 acres or 0.2 percent. During this period, uncultivated land decreased by 92,207 acres or 16.7 percent. Eight delivery points closed between 1962-63 and 1970-71, surrendering a total of 142,518 acres of land to neighboring points.

In general, the smaller communities had decreases in acreage between 1962-63 and 1969-70 while larger communities had increases.¹ Most hamlets and delivery points "too small to classify" decreased their acreages. Seven villages also had fewer farmland acres associated with them. Except Delisle, all towns and greater towns gained acreage.

Relatively little change occurred in the land use pattern between 1962-63 and 1969-70 in the study area. Cropping practices followed a three-year rotation of about 33 percent summer fallow, 33 percent wheat, and 10 percent oats and barley, with the remaining 24 percent being in other crops as well as uncultivated land.

Substantial changes occurred in the land use pattern in 1970-71. Those changes primarily resulted from the Federal Government's Operation LIFT program that was designed to reduce Canada's wheat surplus.² From 1969-70 to 1970-71, the greatest changes occurred in hard spring wheat, which decreased by 573,040 acres or 67.2 percent, in rapeseed, which increased by 67,065 acres or 388.6 percent, and in flaxseed, which increased by 77,586 acres or 348.6 percent.

It should be noted that "specified acres" as such disappeared under Operation LIFT in the 1970-71 crop year. For comparative purposes, however, a subtotal in Table 2.7 shows the same crops that comprised specified acres for 1969-70. In the study area, this acreage decreased by 7.6 percent.

¹The interested reader may wish to compare this data with that contained in Tables 3.2 and 3.15. Those tables show changes in number of delivery permits issued and in average farm-to-elevator hauling distances.

²LIFT is an acronym derived from "Lower Inventory For Tomorrow".

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63

Delivery Point	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Durum	Flax	Rapeseed	Other Crops	Uncult. Land	Total
<i>Too Small to Classify</i>													
1 Kinhop Acres													
Percent	Storage only												
2 Brisbin Acres													
Percent	Storage only												
3 Lindequist Acres													
Percent	Storage only												
4 Ava Acres													
Percent	Storage only												
5 Hawoods Acres	3,966	2,280	2,110	1,109	5,389	1,644	16,498	40	-	-	-	6,851	23,389
Percent	17.0	9.8	9.0	4.7	23.0	7.0	70.5	0.2	-	-	-	29.3	100.0
6 Wallisville Acres													
Percent	Storage only												
7 Verulam Acres	4,819	1,025	515	70	5,391	903	12,723	100	55	-	20	1,831	14,729
Percent	32.7	7.0	3.5	0.5	36.6	6.1	86.4	0.7	0.4	-	0.1	12.4	100.0
8 Malmgren Acres													
Percent	Storage only												
9 Dacer Acres	4,066	1,352	503	131	3,970	548	10,570	160	-	-	276	8,422	19,428
Percent	20.9	7.0	2.6	0.7	20.4	2.8	54.4	0.8	-	-	1.4	43.4	100.0
10 Vance Acres													
Percent	Storage only												
11 St. Alphege Acres	3,802	1,398	505	-	4,350	510	10,565	5	-	-	45	2,768	13,383
Percent	28.4	10.4	3.8	-	32.5	3.8	78.9	0.1	-	-	0.3	20.7	100.0
12 Juniata Acres	3,859	1,008	682	255	3,883	1,029	10,716	40	-	-	-	2,568	13,324
Percent	29.0	7.6	5.1	1.9	29.1	7.7	80.4	0.3	-	-	-	19.3	100.0
13 Cathkin Acres	3,680	1,098	320	-	4,098	127	9,323	195	-	-	10	1,429	10,957
Percent	33.6	10.0	2.9	-	37.4	1.2	85.1	1.8	-	-	0.1	13.0	100.0
14 Hood Acres	6,925	705	450	20	8,302	152	16,554	640	325	-	-	1,186	18,705
Percent	37.0	3.8	2.4	0.1	44.4	0.8	88.5	3.4	1.7	-	-	6.4	100.0
15 Wolfe Acres	3,321	636	405	-	2,946	305	7,613	-	25	-	-	2,135	9,773
Percent	34.0	6.5	4.1	-	30.2	3.1	77.9	-	0.3	-	-	21.8	100.0

(continued)

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63 (continued)

Delivery Point	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Durum	Flax	Rapeseed	Other Crops	Uncult. Land	Total
16 Porter Acres Percent	4,351 23.3	671 3.6	912 5.0	133 0.7	4,416 23.7	338 1.8	10,821 58.1	-	15 0.1	110 0.6	667 3.5	7,027 37.7	18,640 100.0
17 Argo Acres Percent	3,607 15.8	2,819 12.3	880 3.8	1,825 8.0	3,808 16.7	3,883 17.0	16,822 73.6	-	-	-	-	6,027 26.4	22,849 100.0
18 Oban Acres Percent	5,515 29.1	1,102 5.8	805 4.3	321 1.7	3,807 20.1	1,090 5.8	12,640 66.8	-	-	-	68 0.3	6,228 32.9	18,936 100.0
19 Keppel Acres Percent	7,317 42.2	498 2.9	194 1.1	-	5,934 34.2	166 1.0	14,109 81.4	-	-	-	390 2.2	2,834 16.4	17,333 100.0
20 Salter Acres Percent	7,750 27.3	1,785 6.3	1,928 6.8	-	5,817 20.4	172 0.6	17,452 61.4	-	-	-	82 0.3	10,885 38.3	28,419 100.0
21 Cazalet Acres Percent	8,014 31.3	1,622 6.3	420 1.6	125 0.5	8,122 31.7	505 2.0	18,808 73.4	-	18 0.1	-	15 0.1	6,743 26.4	25,584 100.0
22 Catherwood Acres Percent	6,837 38.9	640 3.6	105 0.6	-	7,282 41.5	1,030 5.9	15,894 90.5	800 4.6	20 0.1	-	-	840 4.8	17,554 100.0
23 Reford Acres Percent	9,655 35.7	2,541 9.4	1,430 5.3	-	10,437 38.5	267 1.0	24,330 89.9	176 0.6	21 0.1	-	-	2,541 9.4	27,068 100.0
24 Cavell Acres Percent	6,361 34.5	1,843 10.0	737 4.0	-	6,251 33.9	567 3.0	15,759 85.4	-	-	400 2.2	143 0.8	2,142 11.6	18,444 100.0
25 Leney Acres Percent	8,723 35.1	810 3.2	590 2.4	40 0.2	9,728 39.1	455 1.8	20,346 81.8	1,075 4.3	25 0.1	-	-	3,423 13.8	24,869 100.0
26 Lett Acres Percent	10,077 31.8	2,122 6.7	449 1.4	-	7,966 25.2	591 1.9	21,205 67.0	15 0.1	78 0.2	-	-	10,345 32.7	31,643 100.0
27 Ceepee Acres Percent	17,870 38.0	3,033 6.4	2,026 4.3	195 0.4	16,511 35.1	1,117 2.4	40,752 86.6	385 0.8	-	-	121 0.3	5,767 12.3	47,025 100.0
28 Downe Acres Percent	9,421 34.6	948 3.5	691 2.5	-	10,004 36.7	330 1.2	21,394 78.5	1,495 5.5	190 0.7	250 0.9	100 0.4	3,825 14.0	27,254 100.0
29 Ibstone Acres Percent	12,192 25.2	3,560 7.3	1,437 3.0	25 0.1	9,213 19.0	991 2.0	27,418 56.6	305 0.6	25 0.1	70 0.1	337 0.7	20,263 41.9	48,418 100.0
30 Cloan Acres Percent	12,174 35.0	3,178 9.1	1,170 3.4	300 0.9	10,980 31.5	498 1.4	28,300 81.3	-	-	34 0.1	-	6,486 18.6	34,820 100.0

(continued)

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63 (continued)

Delivery Point	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Durum	Flax	Rapeseed	Other Crops	Uncult. Land	Total
31 Bents Acres	13,452	1,773	719	-	13,636	2,780	32,360	165	45	-	155	5,191	37,916
Percent	35.5	4.7	1.9	-	36.0	7.3	85.4	0.4	0.1	-	0.4	13.7	100.0
32 Thackeray Acres	11,350	3,990	1,492	-	9,388	1,577	27,797	-	-	-	160	5,804	33,761
Percent	33.6	11.8	4.4	-	27.8	4.7	82.3	-	-	-	0.5	17.2	100.0
33 Valley Centre Acres	13,509	1,543	711	50	14,171	1,637	31,621	820	5	40	-	6,930	39,416
Percent	34.3	3.9	1.8	0.1	35.9	4.2	80.2	2.1	0.0	0.1	-	17.6	100.0
34 Traynor Acres	8,089	1,192	933	245	6,520	410	17,389	140	180	-	-	5,660	23,369
Percent	34.6	5.1	4.0	1.0	27.9	1.8	74.4	0.6	0.8	-	-	24.2	100.0
<i>Hamlets</i>													
35 Environ Acres	7,726	2,728	2,107	265	8,106	592	21,524	55	-	-	85	7,492	29,156
Percent	26.5	9.4	7.2	0.9	27.8	2.0	73.8	0.2	-	-	0.3	25.7	100.0
36 Red Pheasant Acres	2,839	1,128	385	-	2,686	147	7,185	-	-	-	82	13,653	20,920
Percent	13.6	5.4	1.8	-	12.8	0.7	34.3	-	-	-	0.4	65.3	100.0
37 Prongua Acres	13,076	2,561	1,581	112	11,800	1,524	30,654	688	110	72	279	14,473	46,276
Percent	28.3	5.5	3.4	0.2	25.5	3.3	66.2	1.5	0.2	0.2	0.6	31.3	100.0
38 Phippen Acres	10,898	4,784	530	-	9,399	1,909	27,520	-	-	-	105	4,346	31,971
Percent	34.1	15.0	1.6	-	29.4	6.0	86.1	-	-	-	0.3	13.6	100.0
39 Marriott Acres	18,189	3,089	2,082	100	21,314	2,193	46,967	2,773	320	-	240	6,997	57,297
Percent	31.8	5.4	3.6	0.2	37.2	3.8	82.0	4.8	0.6	-	0.4	12.2	100.0
40 Anglia Acres	11,191	1,024	599	46	13,869	1,345	28,074	2,613	852	-	-	4,442	35,981
Percent	31.1	2.9	1.7	0.1	38.5	3.7	78.0	7.3	2.4	-	-	12.3	100.0
41 Revenue Acres	16,479	2,975	245	-	14,414	255	34,368	-	-	-	128	3,752	38,248
Percent	43.1	7.8	0.6	-	37.7	0.7	89.9	-	-	-	0.3	9.8	100.0
42 Baljennie Acres	7,336	2,529	671	-	7,482	1,082	19,100	-	-	-	415	20,269	39,784
Percent	18.4	6.4	1.7	-	18.9	2.7	48.0	-	-	-	1.0	51.0	100.0
43 Grandora Acres	6,555	2,898	1,943	1,400	7,016	1,928	21,740	210	-	-	103	7,935	29,988
Percent	21.8	9.7	6.5	4.7	23.4	6.4	72.5	0.7	-	-	0.3	26.5	100.0
44 Druid Acres	10,972	795	963	-	12,445	495	25,670	1,361	473	-	50	1,970	29,524
Percent	37.1	2.7	3.3	-	42.1	1.7	86.9	4.6	1.6	-	0.2	6.7	100.0

(continued)

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63 (continued)

Delivery Point	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Durum	Flax	Rapeseed	Other Crops	Uncult. Land	Total
45 Feudal Acres	14,023	1,193	734	-	14,298	1,903	32,151	707	55	-	20	3,756	36,689
Percent	38.2	3.3	2.0	-	39.0	5.2	87.7	1.9	0.1	-	0.1	10.2	100.0
46 Kelfield Acres	12,999	1,498	1,232	20	15,539	1,326	32,614	464	245	-	90	8,514	41,927
Percent	31.0	3.6	2.9	0.0	37.1	3.2	77.8	1.1	0.6	-	0.2	20.3	100.0
47 Duperow Acres	11,265	5,228	3,654	878	15,988	2,428	39,441	1,873	180	-	50	10,724	52,268
Percent	21.6	10.0	7.0	1.7	30.6	4.6	75.5	3.6	0.3	-	0.1	20.5	100.0
48 Struan Acres	17,843	2,540	1,971	263	15,227	1,235	39,079	425	50	-	92	18,489	58,135
Percent	30.7	4.4	3.4	0.4	26.2	2.1	67.2	0.7	0.1	-	0.2	31.8	100.0
49 Laura Acres	18,517	1,901	2,169	150	16,312	2,598	41,647	454	-	-	32	5,410	47,543
Percent	38.9	4.0	4.6	0.3	34.3	5.5	87.6	0.9	-	-	0.1	11.4	100.0
50 Rockhaven Acres	18,218	4,810	1,790	120	16,870	1,683	43,491	-	-	-	10	5,525	49,026
Percent	37.2	9.8	3.7	0.2	34.4	3.4	88.7	-	-	-	0.0	11.3	100.0
51 Kinley Acres	24,822	3,345	1,733	1,792	24,551	2,582	58,825	2,435	220	-	90	7,289	68,859
Percent	36.0	4.9	2.5	2.6	35.7	3.7	85.4	3.5	0.3	-	0.1	10.7	100.0
52 Broadacres Acres	13,354	2,483	467	-	13,097	200	29,601	175	215	100	280	4,267	34,638
Percent	38.6	7.2	1.3	-	37.8	0.6	85.5	0.5	0.6	0.3	0.8	12.3	100.0
53 Springwater Acres	15,787	4,302	1,025	1,175	15,603	2,974	40,866	678	305	-	400	10,006	52,255
Percent	30.2	8.2	2.0	2.2	29.9	5.7	78.2	1.3	0.6	-	0.8	19.1	100.0
<i>Villages</i>													
54 Leipzig Acres	16,313	3,951	1,404	108	17,370	764	39,910	160	-	-	60	4,023	44,153
Percent	36.9	8.9	3.2	0.3	39.3	1.7	90.3	0.4	-	-	0.1	9.2	100.0
55 Ruthilda Acres	14,212	3,274	1,379	112	15,182	3,333	37,492	969	210	-	76	8,948	47,695
Percent	29.8	6.9	2.9	0.2	31.8	7.0	78.6	2.0	0.4	-	0.2	18.8	100.0
56 Stranraer Acres	16,825	948	986	100	18,200	65	37,124	2,750	1,241	-	20	6,505	47,640
Percent	35.3	2.0	2.1	0.2	38.2	0.1	77.9	5.8	2.6	-	0.0	13.7	100.0
57 Tessor Acres	13,197	2,207	2,227	195	14,578	5,349	37,753	695	180	50	55	6,887	45,620
Percent	29.0	4.8	4.9	0.4	32.0	11.7	82.8	1.5	0.4	0.1	0.1	15.1	100.0
58 Arelee Acres	24,606	2,514	1,281	140	20,223	900	49,664	250	120	-	68	11,084	61,186
Percent	40.2	4.1	2.1	0.2	33.1	1.5	81.2	0.4	0.2	-	0.1	18.1	100.0

(continued)

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63 (continued)

Delivery Point	Specified Acres (Subtotal)										Uncult. Land	Total
	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Durum	Flax	Rapeseed	Other Crops		
59 Handel Acres Percent	19,457 33.0	3,600 6.1	3,783 6.4	175 0.3	22,594 38.3	1,359 2.3	50,968 86.4	1,010 1.7	40 0.1	115 0.2	6,864 11.6	58,997 100.0
60 Zealandia Acres Percent	25,309 33.8	2,116 2.8	3,053 4.1	238 0.3	30,463 40.7	1,928 2.6	63,107 84.3	3,363 4.5	1,834 2.5	1 0.0	6,478 8.7	74,783 100.0
61 Cando Acres Percent	19,317 26.3	5,671 7.7	4,659 6.3	71 0.1	15,560 21.2	1,141 1.6	46,419 63.2	141 0.2	- -	215 0.3	26,710 36.3	73,485 100.0
62 Sonningdale Acres Percent	10,909 22.0	3,953 7.9	808 1.6	85 0.2	9,571 19.3	1,635 3.3	26,961 54.3	- -	- -	202 0.4	22,489 45.3	49,652 100.0
63 Herschel Acres Percent	35,145 34.5	3,518 3.5	3,641 3.6	230 0.2	38,019 37.3	1,846 1.8	82,399 80.9	3,971 3.9	1,789 1.7	320 0.3	13,417 13.2	101,896 100.0
64 Scott Acres Percent	18,881 42.0	3,285 7.3	242 0.5	- -	15,643 34.8	1,564 3.5	39,615 88.1	- -	2 0.0	- -	5,348 11.9	44,965 100.0
65 Tramping Lake Acres Percent	31,151 43.1	3,783 5.3	1,576 2.2	- -	29,926 41.4	665 0.9	67,101 92.9	315 0.4	275 0.4	646 0.9	3,898 5.4	72,235 100.0
66 Asquith Acres Percent	14,108 24.2	6,511 11.2	3,727 6.4	2,390 4.1	17,944 30.7	1,998 3.4	46,678 80.0	1,878 3.2	- -	50 0.1	9,786 16.7	58,392 100.0
67 Plenty Acres Percent	21,826 36.7	1,432 2.4	1,807 3.1	- -	25,043 42.2	320 0.5	50,428 84.9	2,804 4.7	1,847 3.1	250 0.4	4,071 6.9	59,400 100.0
68 Harris Acres Percent	20,365 30.8	3,891 5.9	3,725 5.6	325 0.5	23,123 35.0	3,395 5.1	54,824 82.9	2,044 3.1	290 0.4	160 0.2	8,836 13.4	66,154 100.0
TOWNS												
69 Landis Acres Percent	36,153 41.6	4,659 5.4	2,678 3.0	80 0.1	32,684 37.6	1,774 2.0	78,028 89.7	530 0.6	500 0.6	379 0.4	7,468 8.6	86,945 100.0
70 Perdue Acres Percent	16,545 36.1	2,063 4.5	1,416 3.1	175 0.4	16,682 36.4	995 2.2	37,876 82.7	175 0.4	185 0.4	- -	7,586 16.5	45,822 100.0
71 Battleford Acres Percent	13,008 28.5	2,250 4.9	1,162 2.6	1,189 2.6	11,932 26.2	803 1.8	30,344 66.6	415 0.9	80 0.2	60 0.1	14,515 31.8	45,604 100.0
72 Delisle Acres Percent	32,261 37.1	5,039 5.8	2,721 3.1	910 1.1	32,281 37.2	3,577 4.1	76,789 88.4	2,625 3.0	887 1.0	59 0.1	6,524 7.5	86,884 100.0

(continued)

TABLE 2.5 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1962-63 (concluded)

Delivery Point	Wheat	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Durum	Flax	Rapeseed	Other Crops	Uncult. Land	Total
<i>Greater Towns</i>													
73 Wilkie	29,087	7,494	6,345	-	25,651	3,136	71,713	27	-	80	454	13,671	85,945
Acres	33.8	8.7	7.4	-	29.8	3.7	83.4	0.1	-	0.1	0.5	15.9	100.0
74 Biggar	55,094	17,983	6,136	3,146	50,448	8,324	141,131	800	334	70	614	52,402	195,351
Acres	28.2	9.2	3.1	1.6	25.8	4.3	72.2	0.4	0.2	0.1	0.3	26.8	100.0
Study Area Total	946,560	187,125	103,756	20,834	941,453	96,892	2,296,620	46,389	13,866	1,506	8,944	552,970	2,920,295
Acres	32.4	6.4	3.6	0.7	32.2	3.3	78.6	1.6	0.5	0.1	0.3	18.9	100.0
Saskatchewan Total	15,454,942	3,260,029	1,806,685	359,911	17,922,504	1,755,699	40,599,770	2,706,327	346,557	151,889	257,875	12,195,975	56,218,393
Acres	27.5	5.8	3.2	0.6	31.9	3.1	72.1	4.8	0.6	0.3	0.5	21.7	100.0

Source: Canadian Wheat Board, Winnipeg.

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Flax	Rapeseed	Other Crops	Uncult. Land	Total
<i>Too Small to Classify</i>													
1 Kinhop Acres	Closed												
Percent													
2 Brisbin Acres	Closed												
Percent													
3 Lindequist Acres	Storage only												
Percent													
4 Ava Acres	Storage only												
Percent													
5 Hawoods Acres	Storage only												
Percent													
6 Wallisville Acres	Closed												
Percent													
7 Verulam Acres	Storage only												
Percent													
8 Malmgren Acres	Closed												
Percent													
9 Dacer Acres	Storage only												
Percent													
10 Vance Acres	Storage only												
Percent													
11 St. Alphege Acres	Storage only												
Percent													
12 Juniata Acres	Storage only												
Percent													
13 Cathkin Acres	3,049	-	450	342	125	3,456	175	7,597	-	-	-	1,222	8,819
Percent	34.6	-	5.1	3.9	1.4	39.2	1.9	86.1	-	-	-	13.9	100.0
14 Hood Acres	3,715	325	265	220	35	4,568	15	9,143	400	-	50	472	10,065
Percent	36.9	3.2	2.6	2.2	0.3	45.4	0.2	90.8	4.0	-	0.5	4.7	100.0
15 Wolfe Acres	2,414	-	267	560	-	2,464	145	5,850	-	10	20	1,382	7,262
Percent	33.3	-	3.7	7.7	-	33.9	2.0	80.6	-	0.1	0.3	19.0	100.0

(continued)

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Flax	Rapeseed	Other Crops	Uncult. Land	Total
16 Porter Acres Percent	2,419 21.2	-	666 5.8	832 7.3	170 1.5	2,935 25.7	110 1.0	7,132 62.5	-	-	455 4.0	3,832 33.5	11,419 100.0
17 Argo Acres Percent	1,560 15.0	-	750 7.2	385 3.7	1,135 10.9	1,831 17.6	1,911 18.4	7,572 72.8	-	-	-	2,827 27.2	10,399 100.0
18 Oban Acres Percent	3,341 22.8	90 0.6	580 4.0	905 6.2	180 1.2	3,995 27.3	960 6.6	10,051 68.7	-	-	70 0.5	4,510 30.8	14,631 100.0
19 Keppel Acres Percent	6,134 38.3	145 0.9	500 3.2	380 2.4	55 0.3	6,135 38.4	100 0.6	13,449 84.1	40 0.3	55 0.3	70 0.4	2,381 14.9	15,995 100.0
20 Salter Acres Percent	5,319 23.0	200 0.9	1,018 4.4	757 3.3	110 0.5	6,327 27.3	176 0.7	13,907 60.1	-	-	140 0.6	9,103 39.3	23,150 100.0
21 Cazallet Acres Percent	7,413 31.0	568 2.4	899 3.8	350 1.5	5 0.0	7,701 32.2	608 2.5	17,544 73.4	170 0.7	-	130 0.5	6,075 25.4	23,919 100.0
22 Catherwood Acres Percent	7,625 34.6	1,138 5.2	372 1.7	1,405 6.4	345 1.6	8,669 39.4	591 2.7	20,145 91.6	340 1.5	75 0.3	25 0.1	1,436 6.5	22,021 100.0
23 Reford Acres Percent	8,684 32.9	40 0.2	1,536 5.8	1,632 6.2	80 0.3	11,355 43.1	125 0.5	23,452 89.0	30 0.1	945 3.6	10 0.0	1,924 7.3	26,361 100.0
24 Cavell Acres Percent	6,718 39.5	-	703 4.1	1,023 6.0	10 0.1	6,500 38.3	272 1.6	15,226 89.6	50 0.3	199 1.2	25 0.1	1,495 8.8	16,995 100.0
25 Leney Acres Percent	6,598 34.6	575 3.0	290 1.5	620 3.3	895 4.7	6,492 34.0	519 2.7	15,989 83.8	190 1.0	-	100 0.5	2,806 14.7	19,085 100.0
26 Lett Acres Percent	7,920 28.8	140 0.5	880 3.2	1,002 3.6	52 0.2	8,620 31.3	606 2.2	19,220 69.8	-	60 0.2	290 1.1	7,946 28.9	27,516 100.0
27 Ceepee Acres Percent	11,618 34.1	459 1.3	2,200 6.5	2,877 8.4	480 1.4	11,385 33.4	1,295 3.8	30,314 88.9	-	-	15 0.1	3,751 11.0	34,080 100.0
28 Downe Acres Percent	7,782 32.0	915 3.8	185 0.8	2,634 10.8	-	10,100 41.5	120 0.5	21,736 89.4	702 2.9	-	35 0.1	1,843 7.6	24,316 100.0
29 Ibstone Acres Percent	6,151 22.3	6 0.1	1,824 6.6	1,658 6.0	-	7,114 25.8	630 2.2	17,383 63.0	-	-	217 0.8	9,980 36.2	27,580 100.0
30 C'toan Acres Percent	11,610 30.6	600 1.6	2,207 5.8	2,970 7.8	195 0.5	11,489 30.3	1,195 3.2	30,266 79.8	70 0.2	1,050 2.8	565 1.5	5,936 15.7	37,887 100.0

(continued)

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)				Other Crops	Uncult. Land	Total
								Flax	Rapeseed					
31 Bents Acres Percent	9,487 31.3	357 1.2	892 2.9	1,495 4.9	1,203 4.0	10,554 34.9	2,472 8.2	26,460 87.4	15 0.1	80 0.3	225 0.7	3,481 11.5	30,261 100.0	
32 Thackeray Acres Percent	8,420 30.8	100 0.4	1,485 5.4	2,805 10.3	-	8,595 31.5	972 3.6	22,377 82.0	-	820 3.0	100 0.4	3,993 14.6	27,290 100.0	
33 Valley Centre Acres Percent	8,118 28.6	1,355 4.8	1,120 3.9	1,476 5.2	265 0.9	10,471 36.8	881 3.1	23,686 83.3	160 0.6	2 0.0	100 0.4	4,471 15.7	28,419 100.0	
34 Traynor Acres Percent	6,105 37.9	-	595 3.7	1,035 6.4	-	4,709 29.2	42 0.3	12,486 77.5	75 0.5	-	110 0.7	3,437 21.3	16,108 100.0	
Hamlets														
35 Environ Acres Percent	7,970 26.4	360 1.2	2,074 6.9	1,765 5.8	815 2.7	9,017 29.9	1,139 3.8	23,140 76.7	-	-	-	7,039 23.3	30,179 100.0	
36 Red Pheasant Acres	Storage only													
37 Prongua Acres Percent	7,095 22.7	265 0.8	1,026 3.3	2,293 7.3	213 0.7	9,874 31.6	1,159 3.7	21,925 70.1	50 0.2	2,063 6.6	138 0.4	7,098 22.7	31,274 100.0	
38 Phippen Acres Percent	9,649 33.7	230 0.8	2,769 9.7	1,745 6.1	-	10,562 36.9	887 3.1	25,842 90.3	50 0.2	586 2.0	17 0.1	2,130 7.4	28,625 100.0	
39 Marriott Acres Percent	13,591 29.6	1,929 4.2	1,998 4.4	2,635 5.8	550 1.2	16,842 36.7	2,258 4.9	39,803 86.8	1,285 2.8	255 0.5	622 1.4	3,886 8.5	45,851 100.0	
40 Anglia Acres Percent	6,729 23.5	2,396 8.4	644 2.2	1,215 4.2	958 3.4	9,458 33.0	1,640 5.7	23,040 80.4	1,698 5.9	-	20 0.1	3,881 13.6	28,639 100.0	
41 Revenue Acres Percent	14,349 36.9	450 1.2	2,190 5.6	1,491 3.9	-	16,279 41.9	402 1.0	35,161 90.5	315 0.8	185 0.5	45 0.1	3,155 8.1	38,861 100.0	
42 Baljennie Acres Percent	6,583 16.6	40 0.1	2,681 6.8	1,048 2.6	155 0.4	8,966 22.6	1,051 2.7	20,524 51.8	120 0.3	270 0.7	448 1.1	18,278 46.1	39,640 100.0	
43 Grandora Acres Percent	4,895 21.9	60 0.3	1,458 6.5	1,126 5.0	1,615 7.2	5,820 26.0	1,859 8.3	16,833 75.2	8 0.0	-	40 0.2	5,518 24.6	22,399 100.0	
44 Druid Acres Percent	12,376 35.5	2,050 5.9	432 1.2	1,720 4.9	-	15,170 43.4	585 1.7	32,333 92.6	1,076 3.1	60 0.2	-	1,440 4.1	34,909 100.0	

(continued)

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Flax	Rapeseed	Other Crops	Uncult. Land	Total
45 Feudal Acres	11,514 36.0	650 2.0	1,150 3.6	635 2.0	320 1.0	12,865 40.2	1,788 5.6	28,922 90.4	525 1.7	-	26 0.1	2,505 7.8	31,978 100.0
46 Kelfield Acres	14,373 34.9	687 1.7	1,083 2.6	2,365 5.7	-	14,482 35.2	1,045 2.5	34,035 82.6	382 0.9	70 0.2	140 0.3	6,580 16.0	41,207 100.0
47 Duperow Acres	8,965 21.6	1,405 3.4	3,098 7.5	2,875 6.9	1,515 3.6	11,805 28.4	3,566 8.6	33,229 80.0	90 0.2	60 0.1	-	8,169 19.7	41,548 100.0
48 Struan Acres	12,784 29.5	-	1,270 2.9	2,181 5.0	690 1.6	13,078 30.1	702 1.6	30,705 70.7	100 0.2	-	155 0.4	12,454 28.7	43,414 100.0
49 Laura Acres	11,777 26.8	1,317 3.0	1,957 4.4	2,519 5.7	680 1.5	17,246 39.2	3,335 7.6	38,831 88.2	730 1.7	320 0.7	500 1.1	3,630 8.3	44,011 100.0
50 Rockhaven Acres	29,848 32.3	2,465 2.7	7,064 7.6	9,176 9.9	1,400 1.5	30,199 32.7	1,473 1.6	81,625 88.3	50 0.1	4,413 4.8	286 0.3	6,079 6.5	92,453 100.0
51 Kinley Acres	16,825 28.5	2,890 4.9	2,588 4.4	1,950 3.3	4,387 7.4	20,795 35.3	2,870 4.9	52,305 88.7	1,254 2.1	380 0.7	75 0.1	4,969 8.4	58,983 100.0
52 Broadacres Acres	13,814 37.6	160 0.4	1,420 3.9	1,132 3.1	60 0.1	15,089 41.1	587 1.6	32,262 87.8	-	-	-	4,478 12.2	36,740 100.0
53 Springwater Acres	13,085 27.4	935 1.9	2,955 6.2	1,845 3.9	1,602 3.4	15,820 33.1	1,826 3.8	38,068 79.7	943 2.0	270 0.6	340 0.7	8,162 17.0	47,783 100.0
Villages													
54 Leipzig Acres	15,005 35.4	713 1.7	3,029 7.2	3,109 7.3	90 0.2	16,098 38.0	657 1.6	38,701 91.4	110 0.2	-	365 0.9	3,173 7.5	42,349 100.0
55 Ruthilda Acres	14,124 32.0	2,120 4.8	2,015 4.6	2,971 6.7	503 1.1	13,049 29.6	3,268 7.4	38,050 86.2	387 0.9	-	10 0.0	5,680 12.9	44,127 100.0
56 Stranraer Acres	14,499 31.3	3,502 7.6	425 0.9	4,046 8.7	50 0.1	16,356 35.3	215 0.5	39,093 84.4	1,695 3.6	70 0.2	325 0.7	5,135 11.1	46,318 100.0
57 Tossier Acres	10,077 26.0	965 2.5	1,147 3.0	2,030 5.2	3,006 7.8	11,687 30.1	5,310 13.7	34,217 88.3	270 0.7	20 0.0	267 0.7	3,980 10.3	38,754 100.0
58 Arelee Acres	22,148 33.3	1,005 1.5	2,285 3.4	2,055 3.1	622 1.0	24,914 37.5	1,282 1.9	54,311 81.7	265 0.4	455 0.7	528 0.8	10,910 16.4	66,469 100.0

(continued)

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Flax	Rapeseed	Other Crops	Uncult. Land	Total
59 Handel Acres	17,364	1,289	3,344	3,672	365	21,614	1,877	49,525	670	37	50	4,910	55,192
Percent	31.4	2.3	6.0	6.7	0.7	39.2	3.4	89.7	1.2	0.1	0.1	8.9	100.0
60 Zealandia Acres	14,909	6,713	3,896	4,623	3,129	31,141	2,921	67,332	4,262	1,035	1,535	6,619	80,783
Percent	18.5	8.3	4.8	5.7	3.9	38.5	3.6	83.3	5.3	1.3	1.9	8.2	100.0
61 Cando Acres	21,137	-	3,253	4,700	115	20,198	1,555	50,958	15	50	437	28,222	79,682
Percent	26.5	-	4.1	5.9	0.1	25.3	2.0	63.9	0.0	0.1	0.6	35.4	100.0
62 Sonningdale Acres	13,782	108	3,593	2,956	427	15,696	2,771	39,333	50	-	1,418	26,177	66,978
Percent	20.6	0.2	5.4	4.4	0.6	23.4	4.1	58.7	0.1	-	2.1	39.1	100.0
63 Herschel Acres	36,904	5,760	3,284	7,679	885	43,359	1,909	99,780	3,378	85	348	10,440	114,031
Percent	32.4	5.0	2.9	6.7	0.8	38.0	1.7	87.5	3.0	0.1	0.3	9.1	100.0
64 Scott Acres	15,519	160	2,166	1,763	-	17,901	840	38,349	254	880	11	4,033	43,527
Percent	35.7	0.4	5.0	4.0	-	41.1	1.9	88.1	0.6	2.0	0.0	9.3	100.0
65 Tramping Lake Acres	30,092	490	2,539	3,058	-	28,974	487	65,640	455	-	40	2,403	68,538
Percent	43.9	0.7	3.7	4.5	-	42.3	0.7	95.8	0.7	-	0.1	3.5	100.0
66 Asquith Acres	21,241	2,933	7,343	7,836	7,060	33,460	6,105	85,978	1,749	1,926	590	18,190	108,433
Percent	19.6	2.7	6.8	7.2	6.5	30.9	5.6	79.3	1.6	1.8	0.5	16.8	100.0
67 Plenty Acres	22,533	2,958	685	3,983	44	29,418	700	60,321	4,748	220	249	4,598	70,136
Percent	32.1	4.2	1.0	5.7	0.1	41.9	1.0	86.0	6.8	0.3	0.3	6.6	100.0
68 Harris Acres	19,656	2,295	2,765	4,093	5,096	28,785	4,524	67,214	1,305	80	907	7,792	77,298
Percent	25.4	3.0	3.6	5.3	6.6	37.2	5.9	87.0	1.2	0.1	1.2	10.0	100.0
Towns													
69 Landis Acres	39,189	3,630	3,837	6,630	-	42,643	2,920	98,849	1,192	315	395	7,724	108,475
Percent	36.1	3.4	3.5	6.1	-	39.3	2.7	91.1	1.1	0.3	0.4	7.1	100.0
70 Perdue Acres	19,366	665	1,959	2,434	2,414	22,032	1,925	50,795	724	170	255	8,857	60,801
Percent	31.8	1.1	3.2	4.0	4.0	36.2	3.2	83.5	1.2	0.3	0.4	14.6	100.0
71 Battleford Acres	17,865	440	3,852	5,679	3,636	20,521	4,019	56,012	34	1,943	20	21,720	79,729
Percent	22.4	0.6	4.8	7.1	4.6	25.7	5.0	70.2	0.1	2.4	0.1	27.2	100.0
72 Delisle Acres	22,394	1,333	2,953	2,994	3,562	25,166	4,805	63,197	885	1,275	2,099	7,110	74,566
Percent	30.0	1.8	4.0	4.0	4.8	33.7	6.5	84.8	1.2	1.7	2.8	9.5	100.0

(continued)

TABLE 2.6 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1969-70 (concluded)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Specified Acres (Subtotal)	Flax	Rapeseed	Other Crops	Uncult. Land	Total
<i>Greater Towns</i>													
73 Wilkie	37,742	80	9,085	12,687	10	42,170	3,187	104,961	40	912	292	19,652	125,857
Acres	30.0	0.1	7.2	10.1	0.0	33.5	2.5	83.4	0.1	0.7	0.2	15.6	100.0
74 Biggar	69,088	2,690	13,512	14,469	7,374	79,072	10,720	196,925	2,190	555	731	59,684	260,085
Acres	26.6	1.0	5.2	5.6	2.8	30.4	4.1	75.7	0.9	0.2	0.3	22.9	100.0
Study Area Total	853,046	65,151	134,508	170,546	58,688	993,081	104,089	2,379,109	35,596	22,256	16,476	460,763	2,914,200
Acres	29.3	2.2	4.6	5.8	2.0	34.1	3.6	81.6	1.2	0.8	0.6	15.8	100.0
Saskatchewan Total	15,872,495	2,606,821	2,398,645	2,984,539	518,900	19,211,660	2,108,161	45,701,221	678,036	821,577	270,865	9,682,344	57,154,043
Acres	27.8	4.6	4.2	5.2	0.9	33.6	3.7	80.0	1.2	1.4	0.5	16.9	100.0

Source: Canadian Wheat Board, Winnipeg.



Kelfield, Sask. Classification: Hamlet. C.P.R. Kelfield Subdivision. (Photo: A. W. Burges, 1966)



Springwater, Sask. Classification: Hamlet. C.N.R. Dodsland Subdivision. (Photo: A.W. Burges, 1966)

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
<i>Too Small to Classify</i>													
1 Kinnop Acres	Closed												
Percent													
2 Brisbin Acres	Closed												
Percent													
3 Lindequist Acres	Closed ^a												
Percent													
4 Ava Acres	Closed ^a												
Percent													
5 Hawoods Acres	Storage only												
Percent													
6 Wallisville Acres	Closed												
Percent													
7 Verulam Acres	Closed ^a												
Percent													
8 Malingren Acres	Closed												
Percent													
9 Dacer Acres	Closed ^a												
Percent													
10 Vance Acres	Closed ^a												
Percent													
11 St. Alphege Acres	Storage only												
Percent													
12 Juniata Acres	Storage only												
Percent													
13 Cathkin Acres	595	-	570	806	-	4,373	390	6,734	76	120	8	1,058	7,996
Percent	7.4	-	7.1	10.1	-	54.7	4.9	84.2	1.0	1.5	0.1	13.2	100.0
14 Hood Acres	Storage only												
Percent													
15 Wolfe Acres	1,715	105	279	525	-	3,453	125	6,202	170	20	-	1,670	8,062
Percent	21.3	1.3	3.5	6.5	-	42.8	1.6	77.0	2.1	0.2	-	20.7	100.0

(continued)

See footnotes at end of table

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
16 Porter Acres Percent	Storage only												
17 Argo Acres Percent	689 6.7	50 0.5	600 5.9	325 3.2	610 6.0	3,055 29.4	2,007 19.6	7,286 71.3	- -	- -	- -	2,936 28.7	10,222 100.0
18 Oban Acres Percent	1,773 12.5	50 0.3	1,020 7.2	1,195 8.4	55 0.4	4,266 30.0	1,200 8.4	9,559 67.2	- -	180 1.2	- -	4,493 31.6	14,232 100.0
19 Keppel Acres Percent	1,605 14.1	50 0.4	442 3.9	465 4.1	- -	6,650 58.4	165 1.4	9,377 82.3	- -	185 1.6	- -	1,831 16.1	11,393 100.0
20 Salter Acres Percent	2,081 9.4	296 1.3	882 4.0	867 3.9	180 0.8	8,341 37.7	541 2.4	13,188 59.5	- -	263 1.2	2 0.0	8,697 39.3	22,150 100.0
21 Cazallet Acres Percent	2,418 10.2	532 2.2	794 3.4	642 2.7	163 0.7	11,738 49.6	729 3.1	17,016 71.9	4 0.0	374 1.6	50 0.2	6,239 26.3	23,683 100.0
22 Catherwood Acres Percent	1,126 5.5	1,117 5.5	642 3.2	372 1.8	71 0.3	12,303 60.5	1,084 5.3	16,715 82.1	1,435 7.1	510 2.5	- -	1,694 8.3	20,354 100.0
23 Reford Acres Percent	2,388 9.0	180 0.7	1,267 4.8	2,147 8.1	235 0.9	14,853 55.9	230 0.8	21,300 80.2	130 0.5	2,724 10.3	155 0.6	2,247 8.4	26,556 100.0
24 Cavell Acres Percent	2,696 15.9	148 0.9	649 3.8	1,165 6.8	- -	9,539 56.2	258 1.5	14,455 85.1	35 0.2	909 5.3	45 0.3	1,539 9.1	16,983 100.0
25 Leney Acres Percent	1,325 6.4	758 3.6	285 1.4	785 3.8	937 4.5	11,268 54.5	884 4.3	16,242 78.5	725 3.5	623 3.0	- -	3,096 15.0	20,686 100.0
26 Lett Acres Percent	3,188 12.8	578 2.3	1,078 4.3	1,117 4.5	20 0.1	10,207 40.9	620 2.5	16,808 67.4	- -	728 2.9	25 0.1	7,383 29.6	24,944 100.0
27 Ceepee Acres Percent	4,952 15.8	283 0.9	2,054 6.6	2,336 7.5	427 1.3	16,194 51.8	1,088 3.5	27,334 87.4	202 0.7	475 1.5	2 0.0	3,264 10.4	31,277 100.0
28 Downe Acres Percent	2,619 10.8	1,196 4.9	289 1.2	1,621 6.7	- -	13,897 57.2	342 1.4	19,964 82.2	1,854 7.6	110 0.5	115 0.5	2,234 9.2	24,277 100.0
29 Ibstone Acres Percent	2,069 12.4	22 0.1	1,659 10.0	1,148 6.9	29 0.2	5,216 31.3	745 4.5	10,888 65.4	- -	97 0.6	22 0.1	5,656 33.9	16,663 100.0
30 Cloan Acres Percent	2,887 9.4	145 0.5	1,510 4.9	3,248 10.6	385 1.3	11,807 38.4	2,155 7.0	22,137 72.1	190 0.6	3,244 10.5	95 0.3	5,058 16.5	30,724 100.0

(continued)

See footnotes at end of table

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
31 Bents Acres Percent	2,627 9.5	260 0.9	549 2.0	802 2.9	907 3.3	12,682 45.6	3,372 12.1	21,199 76.3	695 2.5	811 2.9	1,445 5.2	3,631 13.1	27,781 100.0
32 Thackeray Acres Percent	2,001 7.6	75 0.3	1,318 5.0	3,024 11.5	-	11,643 44.2	1,154 4.4	19,215 73.0	250 0.9	2,567 9.8	10 0.0	4,290 16.3	26,332 100.0
33 Valley Centre Acres Percent	3,018 8.8	2,152 6.3	1,046 3.0	1,608 4.7	106 0.3	16,527 48.0	2,131 6.2	26,588 77.3	766 2.2	585 1.7	325 0.9	6,146 17.9	34,410 100.0
34 Traynor Acres Percent	3,100 22.6	-	390 2.8	575 4.2	-	5,969 43.5	122 0.9	10,156 74.0	95 0.7	-	40 0.3	3,432 25.0	13,723 100.0
<i>Hamlets</i>													
35 Environ Acres Percent	2,737 9.7	980 3.5	1,777 6.3	1,758 6.3	685 2.4	10,711 38.1	1,964 7.0	20,612 73.3	90 0.3	317 1.1	-	7,132 25.3	28,151 100.0
36 Red Pheasant Acres Percent	Storage only												
37 Prongua Acres Percent	1,695 6.1	372 1.3	759 2.7	2,185 7.8	192 0.7	9,639 34.6	1,716 6.2	16,558 59.4	354 1.3	4,263 15.3	5 0.0	6,714 24.0	27,894 100.0
38 Phippen Acres Percent	2,728 10.2	295 1.1	1,877 7.0	2,235 8.4	-	13,449 50.3	1,359 5.1	21,943 82.1	145 0.6	2,348 8.8	-	2,278 8.5	26,714 100.0
39 Marriott Acres Percent	2,080 6.9	1,266 4.2	1,020 3.4	1,969 6.6	396 1.3	15,612 52.1	1,818 6.1	24,161 80.6	1,314 4.4	1,543 5.2	40 0.1	2,917 9.7	29,975 100.0
40 Anglia Acres Percent	2,170 7.9	2,385 8.7	265 1.0	1,188 4.3	565 2.0	12,466 45.3	1,310 4.8	20,349 74.0	2,420 8.8	343 1.2	-	4,392 16.0	27,504 100.0
41 Revenue Acres Percent	2,965 7.6	295 0.8	1,214 3.1	822 2.1	-	27,859 71.7	625 1.6	33,780 86.9	1,073 2.8	578 1.5	15 0.0	3,413 8.8	38,859 100.0
42 Baljennie Acres Percent	2,515 6.3	-	2,781 7.0	1,288 3.2	250 0.6	11,304 28.4	1,858 4.7	19,996 50.2	127 0.3	1,493 3.8	143 0.4	18,047 45.3	39,806 100.0
43 Grandora Acres Percent	1,653 7.5	195 0.9	1,577 7.2	1,265 5.8	800 3.7	8,624 39.4	2,400 10.9	16,514 75.4	55 0.3	95 0.4	95 0.4	5,160 23.5	21,919 100.0
44 Druid Acres Percent	2,180 6.9	2,579 8.1	518 1.6	992 3.1	80 0.3	18,860 59.6	888 2.8	26,097 82.4	3,282 10.4	299 0.9	455 1.4	1,542 4.9	31,675 100.0

See footnotes at end of table (continued)

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
45 Feudal Acres	1,274 4.7	872 3.2	975 3.6	755 2.8	455 1.7	16,602 61.0	2,451 9.0	23,384 86.0	860 3.1	270 1.0	200 0.7	2,499 9.2	27,213 100.0
46 Kelfield Acres	4,702 12.5	1,635 4.4	1,096 2.9	1,830 4.9	45 0.1	16,997 45.2	2,411 6.4	28,716 76.4	1,361 3.6	539 1.4	875 2.3	6,119 16.3	37,610 100.0
47 Duperow Acres	3,700 8.9	848 2.0	3,088 7.4	2,305 5.5	1,891 4.5	15,663 37.7	4,019 9.7	31,514 75.7	485 1.2	730 1.8	105 0.3	8,729 21.0	41,563 100.0
48 Struan Acres	6,508 14.0	691 1.5	1,866 4.0	1,940 4.2	913 2.0	19,420 41.9	1,195 2.6	32,533 70.2	30 0.1	510 1.1	91 0.1	13,212 28.5	46,376 100.0
49 Laura Acres	2,185 5.3	1,466 3.5	1,201 2.9	2,714 6.5	1,386 3.3	18,907 45.4	4,367 10.5	32,226 77.4	2,215 5.3	2,253 5.4	216 0.5	4,755 11.4	41,665 100.0
50 Rockhaven Acres	10,298 10.1	2,926 2.9	6,404 6.3	11,425 11.2	1,671 1.6	42,997 42.2	2,558 2.5	78,279 76.8	720 0.7	13,172 12.9	680 0.7	9,125 8.9	101,976 100.0
51 Kinley Acres	3,581 6.6	2,084 3.8	1,316 2.4	1,642 3.0	2,883 5.3	29,251 54.0	3,789 7.0	44,546 82.1	2,261 4.2	2,694 5.0	204 0.4	4,506 8.3	54,211 100.0
52 Broadacres Acres	7,782 21.9	836 2.4	2,112 6.0	1,598 4.5	-	17,120 48.3	727 2.0	30,175 85.1	547 1.5	140 0.4	-	4,604 13.0	35,466 100.0
53 Springwater Acres	7,061 14.5	1,379 2.8	2,920 6.0	2,514 5.2	1,618 3.3	19,700 40.6	2,842 5.9	38,034 78.3	1,088 2.3	423 0.9	180 0.2	8,900 18.3	48,625 100.0
<i>Villages</i>													
54 Leipzig Acres	5,300 11.7	539 1.2	2,260 5.0	3,429 7.6	374 0.8	27,185 60.2	1,004 2.2	40,091 88.7	400 0.9	622 1.4	318 0.7	3,731 8.3	45,162 100.0
55 Ruthilda Acres	4,662 10.6	1,688 3.8	1,742 4.0	3,287 7.5	626 1.4	19,124 43.3	5,177 11.7	36,306 82.3	1,011 2.3	370 0.8	245 0.6	6,185 14.0	44,117 100.0
56 Stranraer Acres	3,884 8.6	2,179 4.8	871 1.9	4,235 9.3	130 0.3	23,837 52.5	252 0.6	35,388 78.0	4,526 10.0	-	288 0.6	5,156 11.4	45,358 100.0
57 Tossier Acres	4,564 11.0	1,803 4.3	933 2.2	1,552 3.8	2,284 5.5	17,658 42.6	5,629 13.6	34,423 83.0	667 1.6	210 0.5	1,390 3.4	4,785 11.5	41,475 100.0
58 Arelee Acres	6,646 9.6	1,883 2.7	3,003 4.3	4,185 6.1	939 1.4	33,278 48.2	1,757 2.5	51,691 74.8	1,237 1.8	3,361 4.9	402 0.6	12,372 17.9	69,063 100.0

(continued)

See footnotes at end of table

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71 (continued)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
59 Handel Acres	6,603	2,092	3,034	3,669	225	27,578	2,440	45,641	1,728	983	245	5,410	54,007
Percent	12.2	3.9	5.6	6.8	0.4	51.1	4.5	84.5	3.2	1.8	0.5	10.0	100.0
60 Zealandia Acres	4,588	5,218	2,538	4,411	2,743	37,477	3,433	60,408	7,492	3,369	1,227	6,721	79,217
Percent	5.8	6.6	3.2	5.6	3.5	47.3	4.3	76.3	9.4	4.3	1.5	8.5	100.0
61 Cando Acres	7,576	265	4,990	5,053	210	30,700	2,173	50,967	550	370	129	29,132	81,148
Percent	9.3	0.3	6.1	6.2	0.3	37.8	2.7	62.7	0.7	0.4	0.2	36.0	100.0
62 Sonningdale Acres	4,518	440	3,806	3,193	352	20,330	3,924	36,563	385	800	356	23,275	61,379
Percent	7.4	0.7	6.2	5.2	0.6	33.1	6.4	59.6	0.6	1.3	0.6	37.9	100.0
63 Herschel Acres	9,783	7,163	2,830	8,433	2,058	56,203	2,482	88,952	9,806	681	1,003	12,603	113,045
Percent	8.7	6.3	2.5	7.5	1.8	49.7	2.2	78.7	8.7	0.6	0.9	11.1	100.0
64 Scott Acres	4,176	1,003	1,650	2,303	-	23,874	1,371	34,377	1,075	2,532	56	4,216	42,256
Percent	9.9	2.4	3.9	5.5	-	56.5	3.2	81.4	2.5	6.0	0.1	10.0	100.0
65 Tramping Lake Acres	8,546	1,738	2,443	4,311	-	45,380	1,008	63,426	2,130	1,030	-	2,895	69,481
Percent	12.3	2.5	3.5	6.2	-	65.3	1.5	91.3	3.0	1.5	-	4.2	100.0
66 Asquith Acres	7,604	2,059	7,280	6,721	6,109	41,421	9,045	80,239	2,741	7,110	219	19,948	110,257
Percent	6.9	1.9	6.6	6.1	5.5	37.6	8.2	72.8	2.5	6.4	0.2	18.1	100.0
67 Plenty Acres	5,841	3,468	1,011	4,227	485	43,677	1,554	60,263	8,552	1,417	651	5,834	76,717
Percent	7.6	4.5	1.3	5.5	0.6	56.9	2.0	78.4	11.2	1.9	0.9	7.6	100.0
68 Harris Acres	7,480	2,803	2,386	5,578	3,521	38,224	6,742	66,734	2,341	2,115	1,228	10,005	82,423
Percent	9.1	3.4	2.9	6.8	4.3	46.4	8.2	81.1	2.8	2.5	1.5	12.1	100.0
<i>Towns</i>													
69 Landis Acres	13,918	4,850	4,268	6,919	75	59,603	5,089	94,722	3,142	2,172	1,153	9,984	111,173
Percent	12.5	4.4	3.8	6.2	0.1	53.6	4.6	85.2	2.8	2.0	1.0	9.0	100.0
70 Perdue Acres	6,229	1,735	2,033	3,984	2,099	33,512	3,030	52,622	1,977	1,679	270	10,065	66,613
Percent	9.4	2.6	3.1	6.0	3.1	50.3	4.5	79.0	3.0	2.5	0.4	15.1	100.0
71 Battleford Acres	8,549	251	4,923	6,451	3,254	35,452	5,676	64,556	130	5,751	163	28,764	99,364
Percent	8.6	0.3	4.9	6.5	3.3	35.7	5.7	65.0	0.1	5.8	0.1	29.0	100.0
72 Delisle Acres	8,648	2,269	2,435	3,789	2,713	32,496	5,321	57,671	3,014	5,065	2,144	8,567	76,461
Percent	11.3	3.0	3.2	5.0	3.5	42.5	7.0	75.5	3.9	6.6	2.8	11.2	100.0

(continued)

See footnotes at end of table

TABLE 2.7 LAND USE OF FARM ACREAGE BY DELIVERY POINT, 1970-71 (concluded)

Delivery Point	Wheat	Durum	Oats	Barley	Rye	Summer Fallow	Forage Crops	Subtotal	Flax	Rapeseed	Other Crops	Uncult. Land	Total
<i>Greater Towns</i>													
73 Wilkie													
Acres	10,809	390	7,683	16,181	110	56,000	6,296	97,469	80	8,958	324	21,285	128,116
Percent	8.4	0.3	6.0	12.6	0.1	43.7	4.9	76.0	0.1	7.0	0.3	16.6	100.0
74 Biggar													
Acres	27,396	3,276	12,915	15,051	6,143	110,980	17,399	193,160	2,485	4,712	514	68,572	269,443
Percent	10.2	1.2	4.8	5.6	2.3	41.2	6.5	71.8	0.9	1.7	0.2	25.4	100.0
Study Area Total													
Acres	280,006	76,213	125,123	182,160	52,405	1,333,101	148,441	2,197,449	80,523	99,842	17,968	490,143	2,885,925
Percent	9.7	2.7	4.3	6.3	1.8	46.2	5.1	76.1	2.8	3.5	0.6	17.0	100.0
Saskatchewan Total													
Acres	6,436,002	2,413,010	2,180,831	3,545,101	426,360	25,050,593	3,000,609	43,052,506	1,516,244	2,163,118	193,066	10,201,869	57,126,803
Percent	11.3	4.2	3.8	6.2	0.7	43.9	5.3	75.4	2.6	3.8	0.3	17.9	100.0

^aLicense cancelled during the 1970-71 crop year.

Source: Canadian Wheat Board, Winnipeg.

Crop Yields

Detailed crop yields for each delivery point are shown in Table 2.8. Where available, the ten-year high, low, range and average yields of spring wheat, durum, oats, barley and flaxseed are given.

The ten-year average yields of spring wheat and durum wheat in the study area were similar: 23.5 and 26.4 respectively. For the other grains, the average yields per acre in bushels were as follows: oats, 43.5; barley, 34.8; and flaxseed, 14.0. A great variability of yields is apparent in Table 2.8. The range between the high and low yields for each grain is greater than the ten-year average yield value. For example, the range for spring wheat is 40 bushels per acre, which is more than the ten-year average of 23.5 bushels per acre. For oats the range in yields is nearly twice the ten-year average of that grain. At any particular delivery point, this relationship, of course, is not as pronounced as it is for the study area as a whole.

TABLE 2.8 TEN-YEAR AVERAGE YIELDS OF SPRING WHEAT, DURUM, OATS, BARLEY AND FLAXSEED BY DELIVERY POINT, 1962-71

Delivery Point	Spring Wheat					Durum					Oats					Barley					Flaxseed				
	High	Low	Range	Ten-year		High	Low	Range	Ten-year		High	Low	Range	Ten-year		High	Low	Range	Ten-year						
				Average					Average					Average					Average						
- bushels per acre -																									
Too Small to Classify																									
1 Kinhop	Closed																								
2 Brisbin	Closed																								
3 Lindequist	Closed																								
4 Ava	Closed																								
5 Hawoods	25	6	19	17.7 ^f	-	-	-	-	-	-	50	9	41	26.5 ^f	38	10	28	23.5 ^f	-	-	-				
6 Wallisville	Closed																								
7 Verulam	40	14	26	26.6 ^e	-	-	-	-	-	-	60	30	30	47.0 ^e	50	23	27	35.6 ^e	12	12	0				
8 Malmgren	Closed																								
9 Dacer	12	12	0	12.0 ^a	25	25	0	25.0 ^a	-	-	30	30	0	30.0 ^h	30	30	0	30.0 ^a	-	-	-				
10 Vance	Closed																								
11 St. Alphege	38	10	28	19.9 ^g	-	-	-	-	-	-	70	18	52	39.7 ^g	50	14	36	30.6 ^g	-	-	-				
12 Juniata	25	11	14	17.0 ^f	-	-	-	-	-	-	50	15	35	30.5 ^f	40	12	28	25.7 ^f	-	-	-				
13 Cathkin	35	14	21	24.9 ^g	15	15	0	15.0 ^a	0	0	80	8	72	40.1 ^g	65	22	43	40.3 ^g	20	20	0				
14 Hood	42	20	22	26.9 ^h	25	20	5	22.0 ^e	5	5	60	30	30	45.8 ^h	55	25	30	39.4 ^h	15	8	7				
15 Wolfe	35	8	27	21.1 ⁱ	25	12	13	18.5 ^b	13	13	50	30	20	41.3 ^h	45	11	34	29.8 ⁱ	20	10	10				
16 Porter	45	12	33	29.6 ^g	-	-	-	-	-	-	75	20	55	47.1 ^g	70	20	50	44.3 ^g	25	10	15				
17 Argo	30	8	22	21.4 ⁱ	20	20	0	20.0 ^a	0	0	70	15	55	45.0 ⁱ	50	10	40	32.2 ⁱ	-	-	-				
18 Oban	30	7	23	21.5	25	25	0	25.0 ^c	0	0	80	5	75	40.5	45	7	38	30.7	-	-	-				
19 Keppel	30	15	15	23.6 ⁱ	30	20	10	25.6 ^e	10	10	60	25	35	43.9 ⁱ	45	25	20	36.3 ^h	15	15	0				
20 Salter	25	8	17	19.5	30	15	15	20.0 ^d	15	15	50	10	40	37.0	45	25	28	33.3	-	-	-				
21 Cazallet	35	15	20	23.2	30	22	8	24.7 ^c	8	8	40	20	30	40.5	45	20	25	33.6	13	11	2				
22 Catherwood	35	17	18	25.6	40	14	26	26.7	26	26	60	21	39	42.9 ⁱ	50	15	35	33.7	18	7	11				
23 Reford	38	16	22	26.8 ⁱ	35	15	20	26.8 ^d	20	20	75	33	42	61.4 ⁱ	60	25	35	46.7 ⁱ	20	4	16				
24 Cavell	35	10	25	23.8 ⁱ	30	30	0	30.0 ^a	0	0	80	20	60	42.2 ⁱ	65	20	25	39.4	25	15	10				
25 Leney	35	14	21	23.2	30	9	21	20.9	21	21	50	9	41	28.9	60	15	45	31.0	25	10	15				
26 Lett	30	8	22	21.5	30	7	23	19.3 ^d	7	7	50	4	46	35.9	50	5	45	31.0	5	5	0				
28 Downe	40	18	22	25.3	40	18	22	26.0	18	18	70	25	45	42.8	53	25	28	34.8	25	8	17				
29 Ibstone	35	15	20	25.0	30	15	15	25.0 ^e	15	15	80	25	55	46.5	50	20	30	36.0	28	0	28				
30 Cloan	30	15	15	22.8	30	10	20	28.3 ^f	20	20	60	30	30	46.5	55	20	35	39.0	18	10	8				
31 Bents	35	14	21	23.2	30	10	20	23.4 ^e	20	20	70	14	56	40.9	50	15	35	30.5	25	5	20				
32 Thackeray	40	10	30	26.6	35	20	15	25.0 ^c	15	15	80	10	70	46.5	50	10	40	37.0	15	8	7				
33 Valley Centre	30	18	12	24.1	30	15	15	22.1	15	15	60	25	35	47.0 ⁱ	55	20	35	37.0	20	4	16				
34 Traynor	35	7	28	21.1	15	15	0	15.0 ^a	0	0	50	30	20	43.8 ⁱ	50	10	40	33.4	20	5	15				
Hamlets																									
35 Environ	35	8	27	23.5 ^h	30	6	24	20.1 ^h	24	24	60	10	50	43.1 ^h	50	15	35	34.4 ^h	20	20	0				
36 Red Pheasant	35	12	23	21.7 ^f	-	-	-	-	-	-	60	10	50	41.7 ^f	50	20	30	35.0	-	-	-				
37 Prongua	30	12	18	21.7	25	12	13	19.7	13	13	60	30	30	46.5	45	25	20	36.0	15	5	10				
38 Phippen	35	12	23	25.9	35	23	12	29.0 ^b	12	12	75	20	55	51.5	55	20	35	37.0	20	20	0				
39 Marriott	30	15	15	20.8 ⁱ	35	15	20	22.6 ⁱ	20	20	85	5	80	40.0 ⁱ	45	7	38	28.6 ⁱ	25	7	18				
40 Anglia	30	10	20	22.0 ⁱ	30	10	20	22.0 ⁱ	20	20	70	20	50	48.3 ⁱ	60	20	40	42.2 ⁱ	25	6	19				
41 Revenue	40	15	25	26.5	30	25	5	28.3 ^c	5	5	80	25	55	56.0	50	15	35	39.5	20	20	0				
42 Baljennie	32	5	27	22.4	35	35	0	35.0 ^a	0	0	55	5	50	41.0	50	6	44	34.1	20	15	5				
43 Grandora	30	12	18	23.0	30	5	25	22.4 ⁱ	25	25	60	15	45	39.0	45	15	30	31.2	20	17	3				
44 Druid	45	15	30	27.8	45	15	30	27.8	30	30	60	20	40	41.5	60	25	35	40.0	20	5	15				

See footnotes at end of table

(continued)

TABLE 2.8 TEN-YEAR AVERAGE YIELDS OF SPRING WHEAT, DURUM, OATS, BARLEY AND FLAXSEED BY DELIVERY POINT, 1962-71 (concluded)

Delivery Point	Spring Wheat					Durum					Oats					Barley					Flaxseed				
	Ten-year					Ten-year					Ten-year					Ten-year					Ten-year				
	High	Low	Range	Average		High	Low	Range	Average		High	Low	Range	Average	- bushels per acre -	High	Low	Range	Average		High	Low	Range	Average	
45 Feudal	34	12	22	24.6		34	10	24	26.8 ⁱ		80	19	61	46.5		48	15	33	34.7		20	8	12	15.5 ^f	
46 Kelfield	35	6	29	20.9		35	10	25	21.8 ⁱ		85	7	78	43.2		55	7	48	38.2		15	5	10	11.4 ⁱ	
47 Duperow	32	12	20	21.1		30	12	18	19.4		60	15	45	37.5		50	12	38	33.0		18	10	8	15.1 ^h	
48 Struan	25	10	15	20.7		40	8	32	21.3 ^f		60	5	55	40.5		50	5	45	32.0		20	20	0	20.0 ^b	
49 Laura	35	11	24	23.1		35	8	27	24.0 ^g		70	12	58	46.7		50	10	40	33.9		15	7	8	12.1 ^g	
50 Rockhaven	35	15	20	25.6		30	20	10	25.0 ^d		70	30	40	53.5		50	20	30	40.0 ^d		20	20	0	20.0 ^c	
51 Kinley	32	9	23	23.7		40	9	31	24.5		65	16	49	46.2		50	15	35	34.9		25	5	20	15.7 ⁱ	
52 Broadacres	40	12	28	26.0		40	10	30	26.0 ^e		80	20	60	45.5		50	15	35	31.5		18	5	13	11.9 ⁱ	
53 Springwater	35	10	25	23.0 ⁱ		33	11	22	22.3 ⁱ		70	15	55	42.6 ⁱ		50	6	44	32.9		20	4	16	14.5 ^h	
Villages																									
54 Leipzig	30	14	16	23.3 ^h		30	15	15	23.8 ^d		60	20	40	42.5 ^h		50	15	35	35.6 ^h		15	12	3	13.5 ^b	
55 Ruthilda	30	12	18	21.4		30	12	18	22.2		40	20	20	32.5		40	15	25	31.5		20	10	10	11.9 ⁱ	
56 Stranraer	40	18	32	26.6		40	18	32	24.9		80	30	50	46.0		55	20	35	38.0		20	5	15	13.6 ^h	
57 Tossier	33	10	23	22.5		30	8	22	18.1 ⁱ		90	15	75	41.5		50	15	35	31.0		22	5	17	13.3 ^h	
58 Arellee	30	10	20	21.6 ⁱ		40	10	50	26.5 ^h		60	10	50	37.8 ⁱ		50	20	30	35.0 ⁱ		20	10	10	15.0 ^c	
59 Handel	40	12	28	25.5		40	12	28	24.0 ⁱ		70	30	40	47.5		55	20	35	35.0		20	5	15	12.1 ^g	
60 Zealandia	40	15	25	26.1		40	15	25	25.3		80	30	50	56.0		60	20	40	39.0		25	8	17	15.2 ^b	
61 Cando	32	8	24	22.7 ⁱ		30	20	10	25.0 ^c		55	4	51	34.9 ⁱ		42	10	32	28.6 ⁱ		15	5	10	10.0 ^b	
62 Sonningdale	35	7	28	22.6		30	20	10	25.0 ^c		80	10	70	50.1		50	10	40	32.5		20	2	0	20.0 ^b	
63 Herschel	30	15	15	22.5		30	12	18	22.4 ⁱ		70	20	50	42.5		50	20	30	35.5		20	8	12	13.1 ^d	
64 Scott	35	12	23	25.3		35	25	10	30.0 ^c		75	20	55	53.0		50	15	35	38.0		20	10	10	14.5 ^h	
65 Tramping Lake	40	15	25	26.4		30	15	15	26.0 ^e		80	30	50	47.5		50	20	30	33.3		20	4	16	15.5 ^h	
66 Asquith	40	10	30	27.3 ⁱ		30	7	23	23.6 ^g		70	20	50	45.4 ⁱ		60	20	40	39.3 ⁱ		20	10	10	16.6 ^e	
67 Plenty	40	18	22	27.9 ⁱ		40	18	22	28.3 ^h		80	30	50	54.4 ⁱ		60	25	45	42.2 ⁱ		20	8	12	14.1 ⁱ	
68 Harris	34	10	24	22.9		35	10	25	22.3 ^h		80	8	72	43.3		50	7	43	30.4		20	3	17	12.9 ^g	
Towns																									
69 Landis	32	12	20	24.0		35	12	23	24.5		80	20	60	46.7		50	15	35	35.0		18	5	13	12.9 ⁱ	
70 Perdue	32	9	23	23.0		40	5	35	25.8 ^f		50	15	35	37.5		45	15	30	32.5		20	5	15	16.1 ^g	
71 Battleford	30	10	20	23.4 ⁱ		30	5	25	22.2 ^e		60	8	52	45.3 ⁱ		50	8	42	35.3 ⁱ		20	20	0	20.0 ^b	
72 Delisle	30	7	23	20.4		30	5	25	21.4 ^g		60	15	45	38.5		45	10	35	32.0		20	4	16	12.7 ⁱ	
Greater Towns																									
73 Wilkie	35	10	25	24.0		25	20	5	23.3 ^c		60	15	45	45.5		50	15	35	36.0		12	12	0	12.0 ^a	
74 Biggar	30	12	18	21.1		30	10	20	23.4 ^h		60	10	50	39.0		45	15	30	33.0		20	5	15	12.8 ⁱ	
Study Area Total	45	5	40	23.5 ^j		45	5	40	26.4 ^j		90	4	86	43.5 ^j		70	5	65	34.8 ^j		28	3	25	14.0 ^j	

^a₁-year average
^b₂-year average
^c₃-year average
^d₄-year average
^e₅-year average
^f₆-year average
^g₇-year average
^h₈-year average
ⁱ₉-year average
^jCalculated as an average of the above averages weighted by the number of years each represents.

Source: Canadian Wheat Board, Winnipeg.

Protein Content of Wheat

Regulations under the new Canada Grain Act incorporate protein content into the grading system. Although other quality factors of wheat are considered by millers and bakers, they keep a close watch on its protein content.

Table 2.9 gives the protein content for samples of wheat by delivery point over a ten-year period along with totals for the study area and for the province. From the table, it is obvious that protein content varies considerably from year to year and among delivery points. On the whole, protein levels in Saskatchewan and in the study area were highest in 1964. The lowest average in Saskatchewan occurred in 1966 and the lowest average in the study area was in 1970. The lowest percentage, 8.8, was recorded at Harris in the study area in 1970. In that year, 8.8 was also the lowest percentage in the province. The highest level that occurred in the study area, 18.9 at Scott in 1964, was below the provincial high of 19.3 percent for the same year.

The majority of readings are in the 13 to 16 percent range. Average values are based on a minimum of three samples. In any given year, the number of samples at each delivery point ranges from three to nine with the majority being in the neighborhood of three to five.

TABLE 2.9 PROTEIN CONTENT OF HARD RED SPRING WHEAT BY DELIVERY POINT, 1962 TO 1971

Delivery Point	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971
	Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age	Range	Aver- age	Range
- percent -										
<i>Too Small to Classify</i>										
1 Kintop	*		*	Closed		Closed				
2 Briston	*		*	*	*	*	*	*	Closed	
3 Lindequist	*		*	*	*	*	*	*	Closed	
4 Ava	*		*	*	*	*	*	*	*	Closed
5 Hawoods	15.0	14.5-15.7	14.8	13.6-16.4	16.4	15.2-17.1	14.8	13.8-16.7		
6 Wallisville	*		*	*	*	*	*	*		
7 Verulam	-	-	-	-	-	-	-	-	Closed	
8 Malingren	n.a.	n.a.	14.5	13.7-15.2	n.a.	n.a.	*	*	Closed	
9 Dacer	*		*	*	*	*	*	*	Closed	
10 Vance	*		*	*	*	*	*	*	Closed	
11 St. Alphege	-	n.a.	-	15.3	14.1-17.6	n.a.	15.2	14.1-16.3	*	Closed
12 Juniata	16.2	15.4-17.2	-	13.7	12.5-14.8	n.a.	13.4	12.8-14.0	*	Closed
13 Gathikin	15.7	15.3-16.1	-	-	-	-	-	-	*	Closed
14 Hood	-	-	n.a.	n.a.	-	n.a.	-	-	*	Closed
15 Wolfe	n.a.	n.a.	-	n.a.	n.a.	n.a.	n.a.	n.a.	*	Closed
16 Porter	-	n.a.	-	n.a.	n.a.	n.a.	-	-	*	Closed
17 Argo	n.a.	n.a.	-	n.a.	n.a.	n.a.	-	-	*	Closed
18 Oban	n.a.	n.a.	-	n.a.	n.a.	n.a.	-	-	*	Closed
19 Keppel	16.0	15.8-16.3	14.3	13.7-15.2	15.8	15.5-16.4	13.1	13.1-15.2	-	-
20 Salter	-	-	13.8	13.6-14.2	-	-	14.6	13.4-15.9	n.a.	n.a.
21 Cazalet	n.a.	n.a.	-	-	-	-	13.6	13.0-14.1	-	-
22 Catherwood	16.0	15.1-17.6	17.1	16.2-18.0	16.6	16.3-16.8	13.3	13.0-13.7	-	-
23 Reford	-	15.0	-	14.0-15.8	-	-	13.5	12.7-14.9	-	-
24 Cavel	-	-	-	16.6	16.2-17.2	-	13.0	12.8-13.2	15.4	13.1-16.3
25 Loney	15.4	15.1-15.8	15.7	15.1-16.2	15.2	14.9-15.5	14.2	13.7-14.9	-	-
26 Lett	14.1	13.4-15.1	14.1	13.4-15.1	14.1	13.4-15.1	12.8	11.7-13.6	14.7	14.6-14.8
27 Ceepce	14.8	13.3-15.4	15.2	14.0-15.9	16.5	16.0-17.3	15.3	13.4-17.4	14.8	13.9-15.5
28 Downe	-	-	16.7	16.5-16.8	14.2	12.1-15.5	14.6	12.9-16.3	12.5	11.7-14.0
29 Ibstone	-	-	-	-	15.1	13.7-16.3	n.a.	n.a.	14.6	12.5-15.8
30 Cloan	15.2	14.5-15.6	-	-	13.9	13.3-14.3	n.a.	n.a.	15.2	13.7-17.1
31 Bents	14.9	14.6-15.4	15.1	11.8-16.6	16.4	15.6-17.2	14.9	12.8-15.9	13.6	13.2-14.0
32 Thackeray	14.1	13.7-14.6	15.9	14.9-16.7	14.2	13.8-14.8	15.4	13.7-17.1	12.8	11.6-13.7
33 Valley Centre	14.8	14.2-15.5	16.2	15.4-16.7	15.9	11.6-18.4	14.6	13.5-15.4	14.0	13.5-15.9
34 Traynor	n.a.	n.a.	-	-	-	-	13.5	11.4-14.8	13.5	10.9-14.9
<i>Hamlets</i>										
35 Envron	-	-	15.6	14.7-16.1	15.4	13.2-16.4	13.9	12.6-14.9	13.4	12.4-14.4
36 Red Pheasant	n.a.	n.a.	-	n.a.	n.a.	n.a.	13.6	11.6-14.7	13.2	11.5-14.1
37 Prongua	-	-	-	16.2	15.9-16.6	13.8	13.6-14.0	-	-	Closed
38 Phippet	14.8	14.5-15.1	-	-	n.a.	n.a.	13.9	13.0-15.3	-	n.a.
39 Marriott	-	-	-	15.7	15.3-16.3	n.a.	n.a.	14.1	11.1-16.7	-
40 Anglia	-	-	-	-	15.4	12.7-16.8	n.a.	n.a.	-	n.a.
41 Revenue	15.7	14.9-17.0	14.9	12.9-15.9	15.8	14.8-17.6	14.4	12.6-16.0	14.8	14.0-15.8
42 Ballyhenrie	17.3	17.0-17.8	16.0	15.8-16.1	-	-	13.7	13.4-14.4	15.8	14.9-15.2
43 Grandora	14.3	13.2-15.1	15.6	15.4-15.8	15.6	12.5-17.4	-	-	14.1	12.3-16.5
44 Druid	14.7	12.1-15.7	15.0	14.1-15.9	15.1	14.4-15.6	-	-	14.2	13.4-14.9
45 Feudal	14.8	14.4-15.2	-	-	n.a.	n.a.	-	-	13.4	10.6-15.4
46 Kelfield	-	-	14.2	13.3-14.6	16.4	16.0-17.3	14.6	13.9-15.2	13.0	11.9-13.6
47 Duperow	15.3	14.7-16.0	15.1	14.8-15.7	14.7	14.5-14.9	16.0	15.2-17.6	14.1	13.0-15.3
48 Struan	15.1	14.0-15.4	14.8	14.2-15.4	16.0	15.4-17.1	-	-	15.0	14.4-16.1
49 Laura	15.1	14.3-15.6	15.9	14.9-16.4	16.2	15.5-16.8	14.3	13.1-15.2	n.a.	n.a.
50 Rockhaven	-	-	n.a.	n.a.	n.a.	n.a.	12.8	11.6-14.9	14.0	11.5-15.3
51 Kinley	15.9	14.8-16.6	14.6	12.9-15.7	16.4	15.6-17.2	14.6	13.7-14.9	n.a.	n.a.
52 Broadacres	15.2	14.5-15.7	13.9	13.3-14.1	15.1	13.7-15.6	14.2	14.1-14.4	14.4	11.6-15.8
53 Springwater	-	-	14.8	12.8-16.8	-	-	14.5	12.6-15.9	14.4	13.9-15.8

See footnotes at end of table

(continued)

TABLE 2.9 PROTEIN CONTENT OF HARD RED SPRING WHEAT BY DELIVERY POINT, 1962 TO 1971 (Concluded)

Delivery Point	1962		1963		1964		1965		1966		1967		1968		1969		1970		1971	
	Aver-	Range	Aver-	Range	Aver-	Range	Aver-	Range	Aver-	Range	Aver-	Range	Aver-	Range	Aver-	Range	Aver-	Range	Aver-	Range
	age		age		age		age		age		age		age		age		age		age	
<i>Villages</i>																				
54 Leipzig	15.5	14.4-16.5	14.7	13.0-15.4	16.3	15.0-17.2	13.9	12.4-15.1	13.6	12.4-14.4	15.7	14.3-16.9	14.8	14.1-15.8	15.4	13.7-16.7	13.2	12.9-13.7	14.4	12.7-15.6
55 Ruthilda	13.9	13.6-15.8	14.1	13.0-15.1	15.1	14.3-15.9	14.4	13.5-16.2	12.9	11.5-14.3	14.6	14.0-15.2	14.8	12.8-17.0	14.0	12.7-14.9	-	-	n.a.	n.a.
56 Stranraer	16.1	15.3-16.8	17.0	15.7-18.6	16.4	15.3-17.9	16.0	13.7-17.8	13.3	12.7-13.8	13.5	12.6-14.2	14.2	12.6-15.4	14.3	13.6-15.0	-	-	13.6	11.4-13.8
57 Tessier	15.4	14.5-16.4	15.6	13.5-17.0	16.4	15.7-16.7	16.0	15.0-17.4	12.6	10.4-13.8	14.8	14.0-15.2	14.5	11.6-16.6	14.4	12.6-15.7	13.5	13.3-13.6	14.0	12.5-15.2
58 Aretee	-	-	13.5	12.6-14.9	16.6	15.8-17.2	15.3	13.2-17.5	13.1	12.1-13.7	13.7	13.3-14.9	14.9	14.0-16.3	-	-	12.5	11.0-13.3	14.1	13.2-15.7
59 Handel	13.8	12.9-14.8	15.2	13.6-17.1	16.1	14.9-16.9	14.6	12.1-16.0	-	-	15.6	14.3-17.2	13.6	12.5-15.9	15.0	14.0-15.5	12.5	12.2-12.7	14.2	12.3-16.6
60 Zealandia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.1	12.5-14.8	13.7	12.4-14.5	13.9	11.6-15.7
61 Cando	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.2	12.7-15.3	12.9	10.8-14.1	14.4	12.4-15.7
62 Sonningdale	15.9	15.1-16.7	15.1	14.6-16.5	16.8	15.4-17.7	13.8	12.5-14.9	12.7	12.2-13.6	13.8	13.1-15.0	-	-	14.2	12.5-16.5	12.3	10.7-13.7	n.a.	n.a.
63 Herschel	14.2	12.3-15.1	15.2	13.3-18.0	15.5	13.9-17.4	13.6	12.0-14.7	13.0	11.0-14.2	12.7	11.6-13.7	13.7	12.8-15.5	14.6	13.5-17.0	-	-	12.7	11.0-14.3
64 Scott	15.8	15.3-16.4	14.3	12.9-15.3	18.1	17.5-18.9	15.1	12.8-18.8	14.0	13.4-14.6	15.3	13.7-16.9	14.8	12.9-16.5	14.3	10.6-15.7	-	-	13.5	12.9-14.6
65 Tramping Lake	16.0	14.9-16.9	14.8	13.9-15.3	15.1	14.3-16.0	14.0	13.3-14.6	14.1	12.6-15.2	15.4	13.9-17.6	15.9	11.4-17.5	-	n.a.	n.a.	n.a.	14.1	12.2-15.4
66 Asquith	-	-	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	-	-	-	-	13.0	12.1-14.6
67 Plenty	15.2	14.8-15.6	14.9	13.8-15.9	14.4	12.0-16.3	13.9	12.2-15.4	13.6	12.9-14.9	13.6	12.8-14.4	13.3	12.0-14.4	-	-	n.a.	n.a.	-	-
68 Harris	14.8	13.2-16.0	16.3	14.9-17.5	17.3	15.8-18.0	15.3	13.1-17.4	13.9	12.4-15.8	14.8	13.5-16.0	14.5	13.5-15.5	15.2	13.9-16.0	11.6	8.8-13.5	13.8	12.1-14.8
<i>Towns</i>																				
69 Landis	15.6	14.7-17.0	15.3	14.3-16.5	15.9	15.2-16.4	16.6	15.8-17.1	12.2	10.5-13.6	15.2	12.5-17.8	14.7	14.3-15.2	15.7	15.1-16.5	13.4	12.0-15.1	14.6	13.1-15.6
70 Perdue	16.0	15.0-16.4	-	-	-	-	n.a.	n.a.	13.6	13.3-14.4	-	-	13.5	12.5-14.2	13.8	13.0-14.9	13.2	12.7-13.7	-	-
71 Battlerford	16.1	15.9-16.3	-	-	-	-	13.1	12.6-14.1	-	-	-	-	-	-	-	-	-	-	-	-
72 Delisle	15.0	12.2-16.9	14.4	12.1-16.1	16.1	15.3-17.3	14.8	13.3-16.1	12.7	10.8-13.9	14.0	13.7-15.7	13.7	11.3-16.5	13.9	13.0-15.0	13.2	11.4-14.0	13.6	12.1-15.9
<i>Greater Towns</i>																				
73 Wilkie	15.8	15.1-16.8	13.6	13.3-14.2	15.7	15.4-16.0	14.1	12.2-15.2	-	-	14.7	14.0-15.5	15.9	14.4-16.9	15.7	14.7-16.7	-	-	13.3	10.7-16.0
74 Biggar	14.9	14.0-15.8	14.5	12.0-16.2	15.4	15.3-15.6	12.9	11.1-15.0	12.8	10.5-14.2	14.8	14.0-16.1	13.4	12.5-14.4	13.7	13.0-14.3	12.7	11.3-14.3	14.6	12.6-16.3
Total Study Area ^a	15.3	12.1-17.8	15.0	11.8-18.6	15.8	12.0-18.9	14.6	11.1-18.8	13.2	10.4-15.8	14.5	11.1-17.8	14.5	10.6-17.6	14.5	10.6-17.1	13.1	8.8-15.8	13.7	10.7-16.7
Saskatchewan Total	14.2	8.6-18.6	14.6	8.5-19.2	15.3	10.4-19.3	13.7	9.5-18.9	13.3	9.5-17.7	14.1	9.0-19.1	14.2	9.5-19.7	14.0	9.1-19.3	13.4	8.8-16.8	13.7	9.7-19.0

- Indicates data were based on less than three samples of wheat.

*Storage only.

n.a. - Not available.

^aAverages weighted by number of samples.

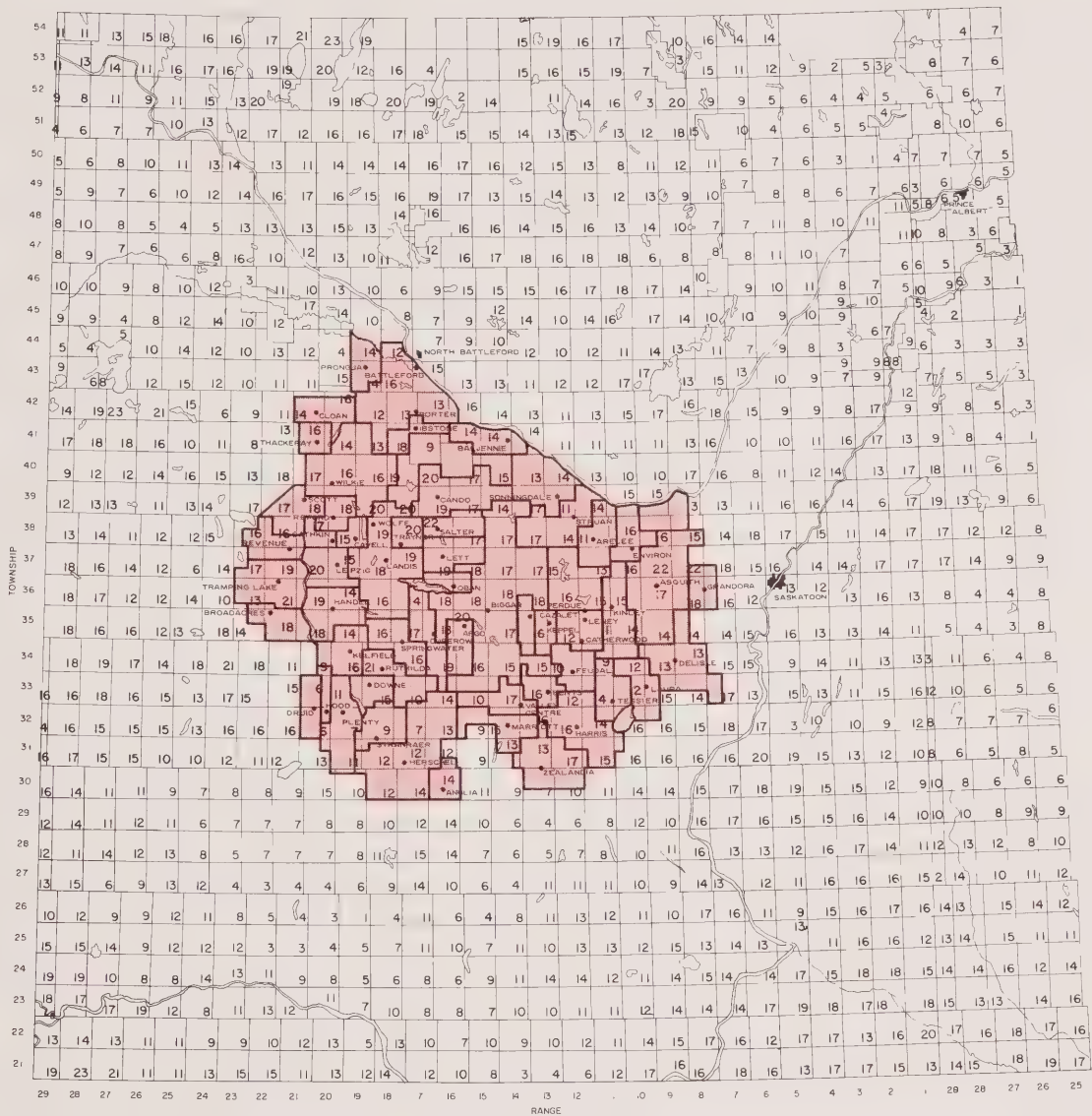
Source: Grain Research Laboratory, Canadian Grain Commission, Winnipeg.

Prairie Farm Assistance Act Payments

The Prairie Farm Assistance Administration (PFAA) was set up under an act of Parliament in 1939 to provide limited crop insurance for grain farmers. At present, the program is gradually being phased out in favour of other forms of crop insurance administered by the provinces. Although a one-percent levy on all grain sold by Prairie farmers without other crop insurance has not been collected since August 1, 1971, payments under the program have continued to farmers in areas not covered by crop insurance. In 1973, a portion of Alberta was the only area where other crop insurance was not yet available.

The map in Figure 2.4 gives a rough outline of the land tributary to each delivery point in the study area. It shows the number of times during the past 32 years that PFAA payments for crop failure were made to farmers. In explanation of the figures appearing in each township, number "12", for example, does not mean that all farmers received payments in 12 of the 32 years; rather it means that some payments were made in the township in 12 of the 32 years. The map thus indicates the frequency of crop failure in all parts of the region.

All townships in the hinterlands of the delivery points received at least one payment. The minimum number of payments, 6, was paid to farmers in two townships at Hood and Druid, while the maximum number of payments, 22, were made to farmers near Asquith and Salter.



PRAIRIE FARM ASSISTANCE ACT PAYMENTS 1939-1970

Figure 2.4

Farm Size and Land Tenure

The distribution of farm sizes in the Biggar region is shown in Table 2.10. Class sizes are so ordered in intervals of 159 acres that 160 or one of its multiples falls at the midpoint of each class size. More detailed statistics of farm sizes, grouped by delivery point, are given in Table 2.11 for the crop years 1962-63 and 1969-70.

In Table 2.10, the number of farms is actually the number of grain delivery permits, while the sizes of farms are derived from the acreages recorded in permit books. To the extent that individual farm operational units are, in some instances, associated with more than one delivery permit, farm numbers are overstated, whereas farm sizes are understated. With this in mind, the total number of farms declined from 4,486 in 1962-63 to 3,837 in 1969-70, or 14.5 percent. In 1962-63, most farms, 19.71 percent, were in the 241-400 acre size group; but in 1969-70, most farms, 15.59 percent, were in the 561-720 acre size group. The mode, that size of farm occurring most frequently, was 320 acres in 1962-63 and again in 1969-70 (see footnotes to Table 2.11). In both years, Table 2.10 reveals a greater concentration of farms at the lower end of the size groups than at the upper end, resulting in a skewed distribution.

The mean farm size for the study area (Table 2.11) increased from 651 acres to 761 acres or about 17 percent. The mean increased at all open delivery points except Hood, Porter, Reford, Grandora and Struan.

The median farm size in the study area increased from 618 acres to 640 acres. This means that about half the farms had fewer than 618 acres in 1962-63 and that the other farms had more than 618 acres. Of course, some farms may have had exactly 618 acres. In 1969-70, this half-way point rose to 640 acres. Since the median as well as the mean increased, it is evident that the number of large farms increased relative to the number of small farms.

With respect to land tenure, the general trend was towards a substantially greater percentage of land being owned rather than rented by farm operators (Table 2.12). For the study area, the percentage of owned land increased from 72.6 percent in 1962-63 to 76.8 percent in 1969-70. In 1969-70, the percentages of owned land ranged from 66.3 percent at Downe to 100.0 percent at Argo.

TABLE 2.10 DISTRIBUTION OF FARM SIZES IN THE STUDY AREA, CROP YEARS
1962-63 AND 1969-70

Size Group (Acres)	1962-63		1969-70	
	Number of Farms	Percent of Total	Number of Farms	Percent of Total
1 - 240	470	10.48	432	11.26
241 - 400	884	19.71	584	15.22
401 - 560	840	18.72	503	13.11
561 - 720	779	17.37	598	15.59
721 - 880	529	11.79	492	12.82
881 - 1,040	365	8.14	371	9.67
1,041 - 1,200	212	4.73	241	6.28
1,201 - 1,360	151	3.37	193	5.03
1,361 - 1,520	94	2.10	142	3.70
1,521 - 1,680	54	1.20	96	2.50
1,681 - 1,840	41	0.91	56	1.46
1,841 - 2,000	19	0.42	33	0.86
2,001 - 2,160	14	0.31	27	0.70
2,161 - 2,320	10	0.22	23	0.60
2,321 - 2,480	7	0.16	9	0.24
2,481 - 2,640	3	0.07	10	0.26
2,641 - 2,800	3	0.07	7	0.18
2,801 - 2,960	6	0.13	2	0.05
2,961 - 3,120	1	0.02	7	0.18
3,121 - 3,280	1	0.02	3	0.08
3,281 - 3,440	2	0.04	2	0.05
3,441 and over	1	0.02	6	0.16
Study Area Total	4,486	100.00	3,837	100.00

Source: Canadian Wheat Board, Winnipeg.

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
<i>Too Small to Classify</i>						
- acres -						
1 Kinhop						
1962-63	Storage only					
1969-70	Closed					
2 Brisbin						
1962-63	Storage only					
1969-70	Closed					
3 Lindequist						
1962-63	Storage only					
1969-70	Storage only					
4 Ava						
1962-63	Storage only					
1969-70	Storage only					
5 Hawoods						
1962-63	39	560	1,662	156	486	241-400
1969-70	Storage only					
6 Wallisville						
1962-63	Storage only					
1969-70	Closed					
7 Verulam						
1962-63	17	866	2,253	160	798	561-720, 721-880
1969-70	Storage only					
8 Malmgren						
1962-63	Storage only					
1969-70	Closed					
9 Dacer						
1962-63	43	452	1,120	155	320	1-240
1969-70	Storage only					
10 Vance						
1962-63	Storage only					
1969-70	Storage only					

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70
(continued)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
11 St. Alphege						
1962-63	18	676	1,560	160	665	721-880
1969-70	Storage only					
12 Juniata						
1962-63	19	701	1,871	160	633	561-720
1969-70	Storage only					
13 Cathkin						
1962-63	18	609	1,087	160	640	561-720
1969-70	14	664	1,393	160	600	401-560
14 Hood						
1962-63	31	603	1,280	160	640	561-720
1969-70	16	578	1,120	305	598	561-720
15 Wolfe						
1962-63	18	543	1,597	110	480	401-560
1969-70	11	628	1,224	160	612	561-720
16 Porter						
1962-63	27	690	1,760	160	640	241-400
1969-70	21	544	1,414	156	480	241-400
17 Argo						
1962-63	33	692	1,600	160	640	401-560
1969-70	13	800	2,080	160	640	561-720
18 Oban						
1962-63	26	728	3,280	160	480	241-400
1969-70	15	953	2,990	313	945	881-1,040
19 Keppel						
1962-63	35	495	1,120	160	480	241-400
1969-70	29	552	1,138	160	480	401-560, 561-720
20 Salter						
1962-63	44	650	1,680	160	640	241-400
1969-70	25	921	2,050	160	960	881-1,040
21 Cazalet						
1962-63	37	691	1,600	277	640	241-400
1969-70	31	772	1,760	160	800	721-880

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70
(continued)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
22 Catherwood						
1962-63	26	675	1,280	159	640	561-720
1969-70	26	691	2,560	159	630	1-240
23 Reford						
1962-63	45	602	2,240	70	480	561-720
1969-70	44	562	1,600	159	480	1-240
24 Cavell						
1962-63	29	636	1,120	159	632	401-560
1969-70	25	680	1,280	160	705	721-880
25 Leney						
1962-63	37	655	2,144	14	480	401-560
1969-70	26	835	3,103	160	560	241-400
26 Lett						
1962-63	46	688	1,760	158	640	561-720
1969-70	35	804	2,080	160	800	721-880
27 Ceepee						
1962-63	99	475	1,295	40	412	241-400
1969-70	66	516	2,614	65	400	241-400
28 Downe						
1962-63	36	757	1,600	160	640	561-720, 881-1,040
1969-70	24	1,027	2,560	160	960	881-1,040, 1,361-1,520
29 Ibstone						
1962-63	93	519	1,440	80	476	241-400
1969-70	47	590	2,080	80	480	241-400, 401-560
30 Cloan						
1962-63	45	774	1,920	130	640	401-560
1969-70	40	828	2,720	160	800	241-400
31 Bents						
1962-63	47	807	2,400	160	795	241-400
1969-70	35	869	2,068	160	958	881-1,040

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70
(continued)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
32 Thackeray						
1962-63	42	804	3,040	160	640	241-400, 561-720, 881-1,040
1969-70	34	822	3,360	160	720	561-720
33 Valley Centre						
1962-63	65	614	1,732	160	530	401-560
1969-70	35	845	1,600	160	800	721-880
34 Traynor						
1962-63	43	543	1,187	23	480	561-720
1969-70	23	654	1,440	320	640	561-720
<i>Hamlets</i>						
35 Environ						
1962-63	55	530	1,600	160	480	241-400
1969-70	47	633	1,760	27	640	241-400
36 Red Pheasant						
1962-63	30	697	4,800	152	480	401-560, 561-720
1969-70	Storage only					
37 Prongua						
1962-63	80	579	1,993	75	480	1-240, 561-720
1969-70	45	667	1,760	25	620	1-240
38 Phippen						
1962-63	53	603	1,280	160	640	561-720
1969-70	36	742	1,365	160	792	241-400, 721-880, 881-1,040, 1,041-1,200
39 Marriott						
1962-63	75	743	2,080	80	640	561-720
1969-70	50	885	2,240	157	720	561-720
40 Anglia						
1962-63	47	766	1,920	155	640	241-400
1969-70	36	870	2,400	150	795	561-720

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70
(continued)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
41 Revenue						
1962-63	72	531	1,920	80	480	401-560, 561-720
1969-70	62	613	1,920	29	607	401-560
42 Baljennie						
1962-63	63	631	1,760	160	528	241-400
1969-70	50	793	3,193	152	760	561-720, 881-1,040
43 Grandora						
1962-63	52	577	1,291	31	480	241-400
1969-70	39	576	1,430	109	486	241-400, 401-560
44 Druid						
1962-63	42	703	2,409	160	640	561-720
1969-70	47	736	2,080	160	720	721-880
45 Feudal						
1962-63	49	719	2,000	158	640	401-560, 721-880
1969-70	34	922	2,300	160	800	721-880
46 Kelfield						
1962-63	45	932	2,400	8	800	561-720
1969-70	38	1,002	1,994	160	960	881-1,040
47 Duperow						
1962-63	68	769	2,480	144	640	561-720
1969-70	44	974	3,040	160	800	561-720
48 Struan						
1962-63	98	593	1,600	80	557	401-560
1969-70	74	589	1,620	160	480	401-560
49 Laura						
1962-63	69	684	2,480	160	560	241-400
1969-70	58	759	2,356	138	640	561-720
50 Rockhaven						
1962-63	65	754	2,080	160	640	561-720
1969-70	116	846	5,160	75	640	1-240

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70
(continued)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
51 Kinley						
1962-63	100	689	2,080	160	640	241-400
1969-70	75	770	1,760	160	786	721-880
52 Broadacres						
1962-63	73	474	1,280	146	480	401-560
1969-70	66	566	1,280	160	529	561-720
53 Springwater						
1962-63	60	871	1,920	160	800	241-400
1969-70	51	913	2,420	60	640	561-720
<i>Villages</i>						
54 Leipzig						
1962-63	66	669	2,080	160	640	561-720
1969-70	61	719	1,944	137	640	561-720
55 Ruthilda						
1962-63	53	878	2,830	160	800	241-400, 721-880
1969-70	47	967	2,140	160	825	241-400, 721-800, 1,201-1,360
56 Stranraer						
1962-63	67	711	2,720	145	640	561-720
1969-70	63	717	2,560	160	640	561-720
57 Tessier						
1962-63	51	895	3,360	158	790	401-560
1969-70	40	968	3,520	160	960	1,041-1,200
58 Arelee						
1962-63	111	551	1,600	50	480	401-560
1969-70	102	656	1,920	160	617	241-400
59 Handel						
1962-63	87	678	2,160	142	640	561-720
1969-70	72	745	2,284	160	640	561-720, 721-880
60 Zealandia						
1962-63	101	740	2,880	160	640	241-400
1969-70	92	843	2,880	160	795	881-1,040

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70
(continued)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
61 Cando						
1962-63	124	593	1,920	100	617	241-400
1969-70	116	694	2,080	158	640	241-400
62 Sonningdale						
1962-63	93	534	1,506	150	480	241-400
1969-70	109	616	3,292	142	480	241-400
63 Herschel						
1962-63	148	688	2,148	80	640	561-720
1969-70	135	852	2,541	160	800	241-400
64 Scott						
1962-63	61	737	1,763	160	640	561-720
1969-70	52	846	2,400	160	820	241-400, 881-1,040
65 Tramping Lake						
1962-63	142	509	3,360	80	480	241-400
1969-70	113	597	2,720	7	480	401-560
66 Asquith						
1962-63	94	654	2,240	50	480	241-400
1969-70	139	792	2,400	137	640	241-400
67 Plenty						
1962-63	76	782	2,880	35	790	721-880
1969-70	82	880	2,297	150	956	881-1,040
68 Harris						
1962-63	89	743	2,870	160	640	561-720
1969-70	87	900	3,680	160	800	561-720
<i>Towns</i>						
69 Landis						
1962-63	129	674	2,720	140	620	241-400, 401-560
1969-70	138	803	2,646	140	788	721-880
70 Perdue						
1962-63	79	580	2,400	150	480	401-560
1969-70	94	667	2,245	132	640	401-560

(continued)

TABLE 2.11 AVERAGE ACREAGE OF FARMS IN THE STUDY AREA, 1962-63 AND 1969-70
(concluded)

Delivery Point	No. of Farms	Mean Size	Maximum Size	Minimum Size	Median Size	Modal Size Group(s)
- acres -						
71 Battleford						
1962-63	66	691	2,820	60	509	241-400
1969-70	107	753	3,120	50	631	1-240, 241-400
72 Delisle						
1962-63	142	612	2,240	140	480	401-560
1969-70	105	713	4,160	30	640	241-400
<i>Greater Towns</i>						
73 Wilkie						
1962-63	137	632	1,665	45	640	401-560
1969-70	164	772	2,388	125	671	561-720
74 Biggar						
1962-63	316	618	2,500	40	480	241-400
1969-70	316	824	4,480	13	640	1-240
Study Area Total						
1962-63	4,486	651 ^a	4,800	8	618	241-400 ^b
1969-70	3,837	761 ^a	5,160	7	640	561-720 ^b

^aThe standard deviation for the total study area in 1962-63 was 409 acres and in 1969-70 it was 498 acres.

^bThe modal size for the total study was 320 acres in both crop years.

Source: Canadian Wheat Board, Winnipeg.

TABLE 2.12 LAND TENURE IN THE STUDY AREA, 1962-63 AND 1969-70

Delivery Point	Percent Owned		Percent Rented	
	1962-63	1969-70	1962-63	1969-70
<i>Too Small to Classify</i>				
1 Kinhop	*	Closed	*	Closed
2 Brisbin	*	Closed	*	Closed
3 Lindequist	*	*	*	*
4 Ava	*	*	*	*
5 Hawoods	76.1	*	23.9	*
6 Wallisville	*	Closed	*	Closed
7 Verulam	63.1	*	36.9	*
8 Malmgren	*	Closed	*	Closed
9 Dacer	80.7	*	19.3	*
10 Vance	*	*	*	*
11 St. Alphege	69.6	*	30.4	*
12 Juniata	67.7	*	32.3	*
13 Cathkin	85.4	82.0	14.6	18.0
14 Hood	75.0	73.4	25.0	26.6
15 Wolfe	64.7	91.9	35.3	8.1
16 Porter	77.7	79.1	22.3	20.9
17 Argo	81.8	100.0	18.2	-
18 Oban	80.0	81.8	20.0	18.2
19 Keppel	67.9	76.3	32.1	23.7
20 Salter	68.4	72.2	31.6	27.8
21 Cazalet	72.7	90.0	27.3	10.0
22 Catherwood	67.2	74.3	32.8	25.7
23 Reford	75.8	80.6	24.2	19.4
24 Cavell	65.9	77.7	34.1	22.3
25 Leney	69.6	66.7	30.4	33.3
26 Lett	72.2	75.1	27.8	24.9
27 Ceepee	74.9	72.2	25.1	27.8
28 Downe	69.5	66.3	30.5	33.7
29 Ibstone	79.8	85.0	20.2	15.0
30 Cloan	70.2	77.6	29.8	22.4
31 Bents	69.9	76.8	30.1	23.2
32 Thackeray	73.7	75.1	26.3	24.9
33 Valley Centre	86.0	78.4	14.0	21.6
34 Traynor	69.4	94.7	30.6	5.3
<i>Hamlets</i>				
35 Environ	81.2	88.5	18.8	11.5
36 Red Pheasant	55.6	*	44.4	*
37 Prongua	79.2	80.2	20.8	19.8
38 Phippen	64.1	73.8	35.9	26.2
39 Marriott	68.5	77.6	31.5	22.4
40 Anglia	69.3	75.5	30.7	24.5
41 Revenue	82.0	87.2	18.0	12.8

(continued)

TABLE 2.12 LAND TENURE IN THE STUDY AREA, 1962-63 AND 1969-70
(concluded)

Delivery Point	Percent Owned		Percent Rented	
	1962-63	1969-70	1962-63	1969-70
42 Baljennie	76.0	75.7	24.0	24.3
43 Grandora	79.6	79.7	20.4	20.3
44 Druid	68.3	76.8	31.7	23.2
45 Feudal	69.5	78.7	30.5	21.3
46 Kelfield	66.9	76.1	33.1	23.9
47 Duperow	76.0	79.5	24.0	20.5
48 Struan	71.0	69.1	29.0	30.9
49 Laura	78.6	75.3	21.4	24.7
50 Rockhaven	70.7	77.0	29.3	23.0
51 Kinley	70.3	76.9	29.7	23.1
52 Broadacres	65.9	68.7	34.1	31.3
53 Springwater	66.6	82.4	33.4	17.6
<i>Villages</i>				
54 Leipzig	73.2	82.1	26.8	17.9
55 Ruthilda	71.6	76.5	28.4	23.5
56 Stranraer	68.1	77.4	31.9	22.6
57 Tessier	77.7	81.0	22.3	19.0
58 Arelee	71.4	74.1	28.6	25.9
59 Handel	74.1	79.8	25.9	20.2
60 Zealandia	67.4	64.9	32.6	35.1
61 Cando	73.1	80.4	26.9	19.6
62 Sonningdale	68.9	77.0	31.1	23.0
63 Herschel	74.3	76.0	25.7	24.0
64 Scott	69.2	74.7	30.8	25.3
65 Tramping Lake	69.0	79.7	31.0	20.3
66 Asquith	72.6	75.9	27.4	24.1
67 Plenty	73.6	81.0	26.4	19.0
68 Harris	63.1	71.9	36.9	28.1
<i>Towns</i>				
69 Landis	66.8	76.9	33.2	23.1
70 Perdue	75.0	76.0	25.0	24.0
71 Battleford	74.5	81.8	25.5	18.2
72 Delisle	68.9	76.6	31.1	23.4
<i>Greater Towns</i>				
73 Wilkie	76.5	79.5	23.5	20.5
74 Biggar	79.5	81.2	20.5	18.8
Study Area Total	72.6	76.8	27.4	23.2

*Storage only.

Source: Canadian Wheat Board, Winnipeg.

PART III

GRAIN MARKETING AND HANDLING CHARACTERISTICS

Producers' Choice of Alternate Delivery Points

When the Canadian Wheat Board changed delivery regulations in 1970-71, farmers were given the right to specify a second delivery point for Board grains; i.e., each producer was entitled to haul his grain to either of two delivery points. The information gleaned from individual selections throws light on some of the factors that farmers consider when weighing the advantages and disadvantages of different elevator centers.

Table 3.1 is a partial analysis of the selections made by the 3,679 farmers who delivered grain to points in the Biggar study area. Although recorded data cannot easily be analyzed for such things as loyalty to a specific grain handling company, best road approach to a delivery point, and availability of particular shopping or service facilities, it is, however, possible to make the following observations:

1. Farmers who hauled to smaller communities were more inclined to select an alternate point than those who delivered grain to larger communities.
2. Farmers who hauled to smaller communities were more likely to choose the next nearest elevator as an alternate point.
3. A large percentage of farmers chose a greater town or city as an alternate point unless they were already delivering to a larger center.
4. For the study area, 52.9 percent of those permit holders who specified an alternate point chose one located in a different loading block. There was little relationship, however, between the percentage of farmers choosing alternates in different loading blocks and the size of their primary delivery points.

TABLE 3.1 PRODUCERS' CHOICE OF ALTERNATE DELIVERY POINTS, 1970-71

Delivery Point	Number of Farmers	Percent of Farmers Not Choosing Alternate	Number of Farmers Choosing Alternate	Alternate Chosen		Loading Block Chosen		
				Next Nearest Point	Larger Center ^a	Same	Different	Double ^b
- percent of farmers choosing alternate -								
Too Small to Classify								
1 Kinhop	Closed							
2 Brisbin	Closed							
3 Lindequist	Closed ^c							
4 Ava	Closed ^c							
5 Hawoods	Closed for storage							
6 Wallisville	Closed							
7 Verulam	Closed ^c							
8 Malingren	Closed							
9 Dacer	Closed ^c							
10 Vance	Closed ^c							
11 St. Alphege	Closed for storage							
12 Juniata	Closed for storage							
13 Cathkin	12	0.0	12	100.0	0.0	8.3	91.7	0.0
14 Hood	13	0.0	13	100.0	0.0	0.0	100.0	0.0
15 Wolfe	Closed for storage							
16 Porter	Closed for storage							
17 Argo	12	0.0	12	100.0	100.0	0.0	100.0	100.0
18 Oban	13	0.0	13	100.0	84.6	84.6	15.4	84.6
19 Keppel	21	0.0	21	66.7	33.3	76.2	23.8	33.3
20 Salter	23	0.0	23	43.5	47.8	43.5	56.5	47.8
21 Cazallet	27	0.0	27	100.0	85.2	0.0	100.0	85.2
22 Catherwood	25	0.0	25	88.0	0.0	28.0	72.0	12.0
23 Reford	42	14.3	36	97.2	86.1	8.3	91.7	0.0
24 Cavell	25	0.0	25	100.0	0.0	68.0	32.0	0.0
25 Leney	24	8.3	22	77.3	9.1	13.6	86.4	13.6
26 Lett	31	0.0	31	100.0	32.3	6.5	93.5	32.3
27 Ceepee	62	9.7	56	60.7	32.1	60.7	39.3	32.1
28 Downe	23	0.0	23	91.3	0.0	26.1	73.9	0.0
29 Ibstone	36	0.0	36	100.0	16.7	83.3	16.7	0.0
30 Cloan	35	11.4	31	71.0	19.4	64.5	35.5	0.0
31 Bents	31	12.9	27	92.6	7.4	7.4	92.6	7.4
32 Thackeray	30	0.0	30	76.7	43.3	36.7	63.3	0.0
33 Valley Centre	39	0.0	39	20.5	76.9	41.0	59.0	76.9
34 Traynor	21	0.0	21	95.2	0.0	0.0	100.0	0.0
Hamlets								
35 Environ	43	0.0	43	95.0	2.3	11.6	88.4	2.3
36 Red Pheasant	Closed for storage							
37 Prongua	40	0.0	40	100.0	0.0	95.0	5.0	0.0
38 Phippen	35	20.0	28	89.3	42.9	39.3	60.7	10.7
39 Marriott	34	2.9	33	87.9	63.6	6.1	93.9	6.1
40 Anglia	34	5.9	32	93.8	68.8	68.8	31.2	68.8
41 Revenue	62	1.6	61	88.5	11.5	45.9	54.1	11.5

See footnotes at end of table

(continued)

TABLE 3.1 PRODUCERS' CHOICE OF ALTERNATE DELIVERY POINTS, 1970-71 (concluded)

Delivery Point	Number of Farmers	Percent of Farmers Not Choosing Alternate	Number of Farmers Choosing Alternate	Alternate Chosen		Loading Block Chosen		
				Next Nearest Point	Larger Center ^a	Same	Different	Double ^b
42 Baljennie	48	56.3	21	38.1	4.8	38.1	61.9	0.0
43 Grandora	37	48.6	19	100.0	47.4	68.4	31.6	47.4
44 Druid	46	6.5	43	93.0	4.7	0.0	100.0	0.0
45 Feudal	31	0.0	31	48.4	0.0	25.8	74.2	0.0
46 Kelfield	36	2.8	35	62.9	25.7	8.6	91.4	17.1
47 Duperow	38	7.9	35	100.0	85.7	100.0	0.0	85.7
48 Struan	77	93.5	5	80.0	14.3	100.0	0.0	20.0
49 Laura	51	5.9	48	85.4	14.6	72.9	27.1	14.6
50 Rockhaven	113	23.0	87	85.1	1.1	65.5	34.5	2.3
51 Kinley	68	0.0	68	58.8	23.5	83.8	16.2	23.5
52 Broadacres	62	40.3	37	100.0	27.0	97.3	2.7	0.0
53 Springwater	50	26.0	37	64.9	29.7	91.9	8.1	29.7
Villages								
54 Leipzig	61	1.6	60	70.0	6.7	5.0	95.0	0.0
55 Ruthilda	47	19.1	38	60.5	31.6	71.1	28.9	31.6
56 Stranraer	61	13.1	53	73.6	17.0	56.6	43.4	17.0
57 Tessier	39	5.1	37	68.4	10.8	73.0	27.0	21.6
58 Arelee	108	7.4	100	74.0	19.0	77.0	23.0	27.0
59 Handel	69	1.4	68	92.6	5.9	19.1	80.9	1.5
60 Zealandia	90	15.6	76	51.3	62.3	39.5	60.5	63.2
61 Cando	101	2.0	99	22.2	59.6	36.4	63.6	55.6
62 Sonningdale	98	67.3	32	78.1	18.8	93.8	6.2	18.8
63 Herschel	134	10.4	120	40.0	52.5	55.8	44.2	52.5
64 Scott	50	8.0	46	89.1	32.6	19.6	80.4	6.5
65 Tramping Lake	114	49.1	58	67.2	20.1	84.5	15.5	8.6
66 Asquith	139	40.3	83	25.3	62.7	72.3	27.7	62.3
67 Plenty	88	2.3	86	65.1	10.5	18.6	81.4	10.5
68 Harris	89	12.4	78	67.9	21.8	51.3	48.7	21.8
Towns								
69 Landis	137	1.5	135	48.1	49.6	42.2	57.8	32.6
70 Perdue	97	44.3	54	66.6	22.2	64.8	35.2	59.3
71 Battleford	134	23.1	103	89.3	75.7	87.4	12.6	0.0
72 Delisle	100	1.0	90	34.4	64.4	17.8	82.2	64.4
Greater Towns								
73 Wilkie	164	20.7	130	51.5	0.0	1.5	98.5	0.0
74 Biggar	309	49.5	156	29.5	27.6	69.9	30.1	26.9
Study Area Total	3,679	20.4	2,928	65.7	32.7	47.1	52.9	20.4

^aIncluded are Wilkie, Biggar, Rosetown, North Battleford, Saskatoon, Kerrobert, Unity and Kindersley.

^bBiggar, Kinley, Lloydminster, Rosetown, Saskatoon and Unity are all in two loading blocks.

^cLicense cancelled during 1970-71 crop year.

Source: Canadian Wheat Board, Winnipeg.

Delivery Permit Books Issued

Table 3.2 shows that the number of permit books issued for the study area decreased from 4,489 to 3,541, or 21.1 percent, between 1962-63 and 1971-72. Only 10 of the 74 delivery points in the study area had more permits in 1971-72 than in 1962-63. Rockhaven made the greatest increase, 109.2 percent.

Of the delivery points still open in 1971-72, Argo and Traynor lost the highest percentages of permit holders, 63.6 and 62.8 percent respectively. The largest absolute losses were 51 permit holders at Ibstone and 46 at Prongua and Delisle.

TABLE 3.2 DELIVERY PERMIT BOOKS ISSUED BY DELIVERY POINT, 1962-63 TO 1971-72

Delivery Point	1962-63 ^a	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70 ^a	1970-71	1971-72 ^b
<i>Too Small to Classify</i>										
1 Kinhop	*	*	*	Closed	*	Closed				
2 Brisbin	*	*	*	*	*	*	*	*	Closed ^c	
3 Lindequist	*	*	*	*	*	*	*	*	Closed ^c	
4 Ava	*	*	*	*	*	*	*	*	*	Closed
5 Hawoods	39	37	33	19	19	15	*	*		
6 Wallisville	*	*	*	*	*	*	*	Closed		
7 Verulam	17	11	10	9	9	*	*	*	Closed ^c	
8 Malmgren	*	*	Closed							
9 Dacer	43	*	*	*	*	*	*	*	Closed ^c	
10 Vance	*	*	*	*	*	*	*	*	Closed ^c	
11 St. Alphege	19	17	18	19	15	12	12	*	*	Closed
12 Juniata	19	21	22	19	19	19	*	*	*	Closed
13 Cathkin	18	17	15	14	14	14	13	14	12	Closed
14 Hood	31	21	20	14	15	15	14	17	*	Closed
15 Wolfe	18	18	18	18	16	16	11	11	13	Closed
16 Porter	27	44	42	33	28	19	17	21	*	Closed
17 Argo	33	34	29	25	25	21	19	13	12	12
18 Oban	26	25	22	23	22	19	17	15	13	15
19 Keppel	35	34	33	33	33	32	29	29	21	17
20 Salter	44	36	35	31	24	26	25	25	23	21
21 Cazalet	37	38	40	37	36	34	32	31	27	28
22 Catherwood	26	23	23	24	25	25	25	26	25	25
23 Reford	45	47	47	44	46	42	44	44	42	48
24 Cavell	29	29	27	27	26	26	24	25	22	22
25 Leney	38	40	36	34	33	33	33	26	24	22
26 Lett	46	42	41	37	39	36	34	35	31	28
27 Ceepee	99	96	97	90	81	75	71	66	62	54
28 Downe	36	31	31	30	26	25	23	24	23	23
29 Ibstone	93	84	82	76	66	57	54	47	36	42
30 Cloan	45	44	42	41	40	40	41	41	35	33
31 Bents	47	46	43	41	36	36	38	35	31	27
32 Thackeray	42	42	42	41	35	32	33	34	30	28
33 Valley Centre	65	61	56	55	51	52	49	35	39	38
34 Traynor	43	34	37	40	35	29	26	23	21	16
<i>Hamlets</i>										
35 Environ	55	57	59	57	54	53	50	46	43	38
36 Red Pheasant	30	24	24	24	24	24	*	*	*	Closed
37 Prongua	80	83	79	79	76	56	51	45	40	34
38 Phippen	53	53	53	49	43	38	36	36	35	33
39 Marriott	76	69	68	61	57	51	49	50	34	37
40 Anglia	47	46	43	42	36	35	36	36	34	22
41 Revenue	72	68	68	67	64	62	61	62	62	49
42 Baljennie	63	62	57	56	61	58	55	50	48	45
43 Grandora	52	53	53	51	51	45	44	39	37	37

(continued)

See footnotes at end of table

TABLE 3.2 DELIVERY PERMIT BOOKS ISSUED BY DELIVERY POINT, 1962-63 TO 1971-72 (concluded)

Delivery Point	1962-63 ^a	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70 ^a	1970-71	1971-72 ^b
44 Druid	42	44	43	48	49	46	46	48	46	40
45 Feudal	50	49	47	43	40	40	37	34	31	26
46 Kelfield	44	45	43	44	43	42	38	38	36	35
47 Duperow	68	68	61	55	50	43	44	44	38	36
48 Struan	98	94	99	91	89	86	87	74	77	84
49 Laura	70	69	68	66	57	57	56	58	51	45
50 Rockhaven	65	67	70	71	72	90	100	115	113	136
51 Kinley	100	95	96	90	81	74	75	75	68	67
52 Broadacres	73	73	74	71	70	67	65	66	62	59
53 Springwater	60	59	60	59	58	57	55	51	50	45
<i>Villages</i>										
54 Leipzig	66	65	67	63	63	61	60	61	61	56
55 Ruthilda	54	52	54	51	49	48	47	47	47	44
56 Stranraer	67	67	62	64	63	64	62	63	61	58
57 Tessier	51	51	51	52	50	48	45	41	39	39
58 Arelee	111	107	101	100	98	97	93	102	108	95
59 Handel	87	81	79	79	78	78	76	72	69	63
60 Zealandia	101	101	100	94	95	89	93	93	90	92
61 Cando	124	123	118	118	105	104	124	115	101	94
62 Sonningdale	93	98	96	100	103	102	105	110	98	96
63 Herschel	148	144	144	139	136	135	135	135	134	130
64 Scott	61	57	54	55	53	51	52	52	50	51
65 Tramping Lake	142	136	125	128	122	119	113	113	114	108
66 Asquith	93	97	100	108	105	109	135	139	139	130
67 Plenty	76	80	80	80	77	81	85	82	88	87
68 Harris	89	85	79	82	82	83	83	88	89	91
<i>Towns</i>										
69 Landis	129	126	121	120	126	125	129	138	137	161
70 Perdue	79	78	78	83	87	91	89	94	97	101
71 Battleford	66	84	87	89	83	100	110	107	134	138
72 Delisle	142	133	126	122	122	118	110	106	100	96
<i>Greater Towns</i>										
73 Wilkie	136	139	137	141	147	151	152	164	164	155
74 Biggar	316	305	310	315	312	305	296	316	309	289
Study Area Total	4,489	4,361	4,275	4,181	4,045	3,933	3,863	3,842	3,679	3,541

* Storage only.

^aThe number of permit holders shown here may not equal the corresponding totals in Tables 2.10 and 2.11 because the two sets of figures were derived independently.

^bPermit declarations processed to September 22, 1972.

^cLicense cancelled during 1970-71 crop year.

Source: Canadian Wheat Board, Winnipeg.

Canadian Wheat Board Initial Payments

Under the Canadian Wheat Board marketing system, producers receive an initial payment upon delivery of grain to country elevators. Table 3.3 shows net initial payments based on prices set at the Lakehead less freight costs from delivery points and country elevator handling charges.¹ Initial payment levels may be changed at the time they are established for the new crop year by an order of the federal cabinet.² For example, in 1969-70 initial payments were substantially lower than in 1968-69, but in 1971-72 they were the same or slightly less than the payments set two years previously.

The freight rate zones generally follow a north to south orientation and, as one moves westward from the Lakehead, the rates increase by steps of 1 cent per hundredweight from zone to zone. Figure 3.1 shows freight rate zones in northern Saskatchewan on a map that includes the study area. According to Figure 3.1, freight rates in the Biggar region range from 22 to 24 cents per hundredweight. There are only 3 open delivery points in the 22-cent zone and 10 open points in the 24-cent zone.

Since net initial payments are, of course, slightly higher in a 23-cent freight rate zone than in a 24-cent zone, it follows that a farmer who is located on or near the boundary between these two zones will consider the price differential in choosing his delivery point. For example, a farmer delivering wheat to Druid receives \$1.25 3/4 per bushel for No. 1 C.W. Red Spring Wheat, 1971-72, 1/2 of a cent less than the \$1.26 1/4 per bushel paid to a farmer at nearby Hood. To the extent that differing prices influence each farmer's choice of a delivery point, the size and shape of delivery point hinterlands are correspondingly affected.

¹For instance, in 1971-72 the handling charge was 5 3/4 cents per bushel of wheat, durum wheat or barley and 4 1/2 cents per bushel of oats. This statutory charge is made up of the country elevator elevation charge and a portion of the terminal elevator handling charge.

²For a more detailed description of how initial payments are determined, see J.W. Channon, "How Canadian Wheat is Handled", Canadian Journal of Agricultural Economics, Workshop Proceedings, 1969, p. 88.

TABLE 3.3 CANADIAN WHEAT BOARD NET INITIAL PAYMENTS TO PRODUCERS BY FREIGHT RATES, BASIS THUNDER BAY, ONTARIO^a

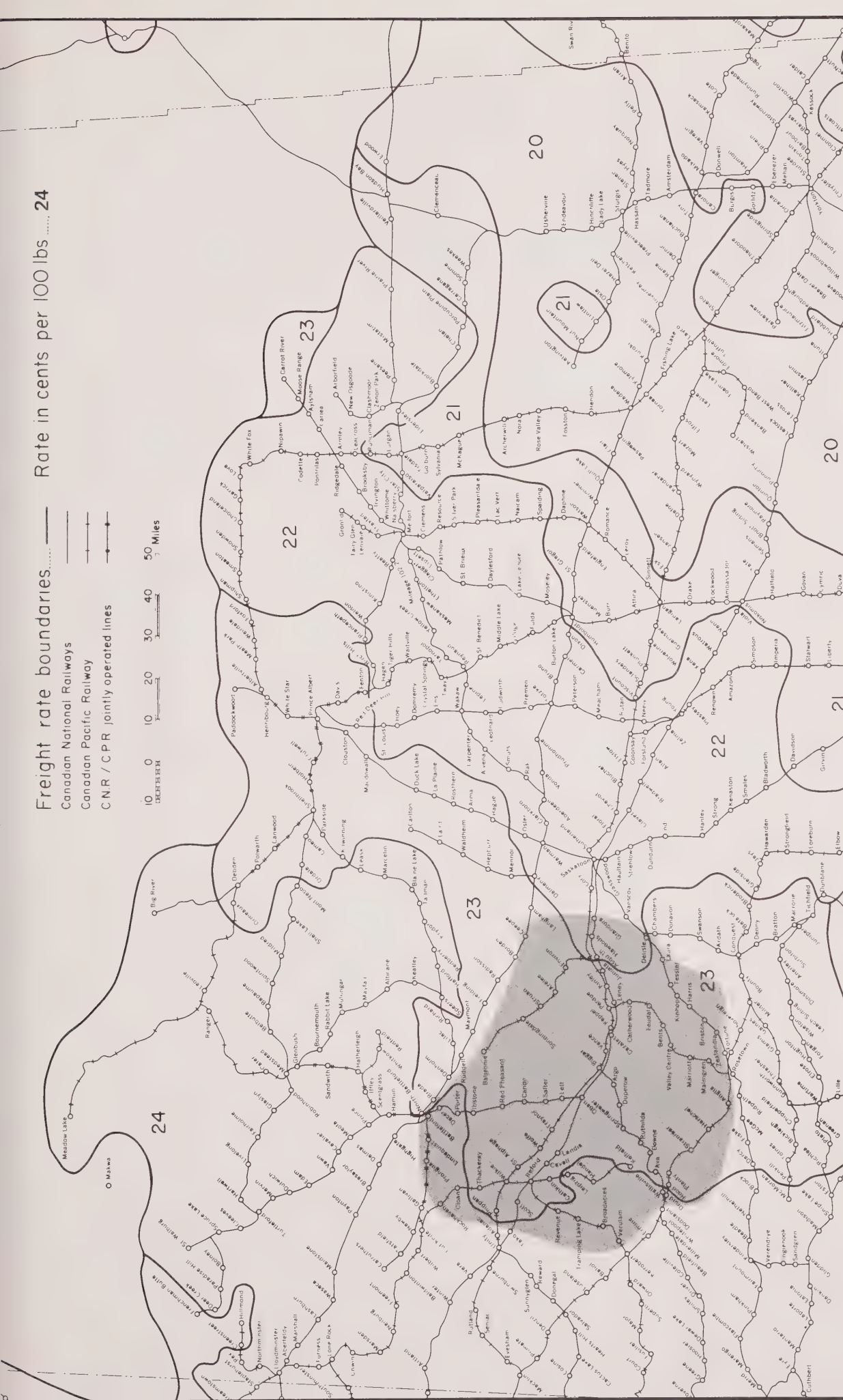
Grain Freight Rates to Lakehead ^b	Wheat		Durum		Oats		Barley	
	No. 1 Northern	No. 2 Northern	No. 4 Northern	No. 1 C.W.A.	No. 2 C.W.A.	No. 1 Feed	No. 3 C.W. 6 Row	No. 1 Feed
- cents/cwt. -	- dollars per bushel -							
1968-69								
23	1.50 1/2	1.46 1/2	1.35 1/2	1.50 1/2	1.46 1/2	.52 7/8	.89 3/8	.80 3/8
24	1.50	1.46	1.35	1.50	1.46	.52 1/2	.88 7/8	.79 7/8
25	1.49 1/2	1.45 1/2	1.34 1/2	1.49 1/2	1.45 1/2	.52 1/4	.88 1/2	.79 1/2
26	1.48 3/4	1.44 3/4	1.33 3/4	1.48 3/4	1.44 3/4	.51 7/8	.88	.79
27	1.48 1/4	1.44 1/4	1.33 1/4	1.48 1/4	1.44 1/4	.51 1/2	.87 1/2	.78 1/2
28	1.47 1/2	1.43 1/2	1.32 1/2	1.47 1/2	1.43 1/2	.51 1/8	.87	.78
29	1.47	1.43	1.32	1.47	1.43	.50 7/8	.86 1/2	.77 1/2
1969-70								
23	1.30 1/4	1.26 1/4	1.13 1/4	1.30 1/4	1.26 1/4	.47 5/8	.74 1/8	.64 1/8
24	1.29 3/4	1.25 3/4	1.12 3/4	1.29 3/4	1.25 3/4	.47 1/4	.73 5/8	.63 5/8
25	1.29 1/4	1.25 1/4	1.12 1/4	1.29 1/4	1.25 1/4	.47	.73 1/4	.63 1/4
26	1.28 1/2	1.24 1/2	1.11 1/2	1.28 1/2	1.24 1/2	.46 5/8	.72 3/4	.62 3/4
27	1.28	1.24	1.11	1.28	1.24	.46 1/4	.72 1/4	.62 1/4
28	1.27 1/4	1.23 1/4	1.10 1/4	1.27 1/4	1.23 1/4	.45 7/8	.71 3/4	.61 3/4
29	1.26 3/4	1.22 3/4	1.09 3/4	1.26 3/4	1.22 3/4	.45 5/8	.71 1/4	.61 1/4
1971-72								
23	No. 1 C.W. Red Spring ^c 1.26 1/4	1.22 1/4	1.09 1/4	1.26 1/4	1.22 1/4	.47 5/8	.74 1/8	.64 1/8
24	1.25 3/4	1.21 3/4	1.08 3/4	1.25 3/4	1.21 3/4	.47 1/4	.73 5/8	.63 5/8
25	1.25 1/4	1.21 1/4	1.08 1/4	1.25 1/4	1.21 1/4	.47	.73 1/4	.63 1/4
26	1.24 1/2	1.20 1/2	1.07 1/2	1.24 1/2	1.20 1/2	.46 5/8	.72 3/4	.62 3/4
27	1.24	1.20	1.07	1.24	1.20	.46 1/4	.72 1/4	.62 1/4
28	1.23 1/4	1.19 1/4	1.06 1/4	1.23 1/4	1.19 1/4	.45 7/8	.71 3/4	.61 3/4
29	1.22 3/4	1.18 3/4	1.05 3/4	1.22 3/4	1.18 3/4	.45 5/8	.71 1/4	.61 1/4

^aSubject to deduction of Prairie Farm Assistance Act levy of one percent. This levy, however, has not been collected since August 1, 1971. Initial payments are also known as "street prices".

^bFlaxseed and rapeseed are 1 1/2 cents higher per hundredweight.

^cEffective August 1, 1971, grades No. 1 and No. 2 Manitoba Northern were replaced by a new grade called No. 1 Canada Western Red Spring Wheat.

Source: Canadian Wheat Board, Winnipeg.



EXPORT GRAIN FREIGHT RATES PER 100 LBS. FROM NORTHERN SASKATCHEWAN TO THUNDER BAY, ONTARIO

Source: Map "Eastbound Export Grain Rates Per 100 lbs. Based on CNR Armstrong, Fort William, Port Arthur and West Fort William, Port Arthur and West Fort William, and CPR to Fort William, Port Arthur and West Fort William" Geographical Branch, Department of Mines and Technical Surveys, Ottawa, 1965.

Figure 3.1

Country Elevator Facilities

The number of grain elevators and their storage capacity at a particular delivery point are measurements of the importance of that point as a collection and distribution center.¹ Table 3.4 contains this information for every delivery point in the Biggar region in 1962-63 and again in 1969-70. How many grain companies were represented in 1962 and 1969 is also shown.

The number of elevators at each point in the study area changed very little between 1962-63 and 1969-70, there being a decrease of only 4 elevators at the end of the period. Storage capacity increased at 20 points, decreased at 10 points (4 closures included), and remained unchanged at 43 points. The result was an overall increase in storage capacity of 1,216,700 bushels or 12.6 percent.

An examination of the number of grain companies located at the various delivery points reveals the fact that 2 or more companies are usually present where there are 2 or more elevators. This is an indication of competition by elevator firms. Nineteen delivery points had fewer companies in 1969 than in 1962 (4 closures included), while 3 points gained 1 company or more. There were 32 one-company points in both 1962 and 1969.

Table 3.5 contains information on the ownership, age and capacity of country elevators in the study area as of August 1, 1972. On that date, there were 57 open delivery points at which representation by the different elevator companies was as follows: Saskatchewan Wheat Pool, 52 points; United Grain Growers Ltd., 13 points; Pioneer Grain Co. Ltd., 4 points; and National Grain Co. Ltd., 4 points.

The average age of the 143 elevators recorded in Table 3.5 was 41 years in 1971. One hundred and eleven elevators, 77.6 percent, were erected before 1940; 16 elevators, 11.2 percent, were constructed from 1940 to 1959; and 16 elevators, 11.2 percent, were built in 1960 or later. The average storage capacity of elevators erected before 1940, including annexes, is 58,000 bushels. Elevators built after 1939 have an average capacity of 108,000 bushels, including annexes. The oldest elevator was constructed at Delisle in 1908.

¹Bushel receipts should also be taken into account. See Table 3.6.

TABLE 3.4 NUMBER AND CAPACITY OF LICENSED COUNTRY ELEVATORS BY DELIVERY POINT, 1962-63 AND 1969-70

Delivery Point	Number of Elevators		Storage Capacity		Number of Grain Companies	
	1962-63	1969-70	1962-63	1969-70	Aug. 1, 1962	Aug. 1, 1969
	- number -		- bushels -		- number -	
<i>Too Small to Classify</i>						
1 Kinhop	1 ^a	Closed	30,000	-	1	-
2 Brisbin	1 ^a	Closed	24,000	-	1	-
3 Lindequist	1 ^a	1 ^a	29,000	29,000	1	1
4 Ava	1 ^a	1 ^a	23,000	23,000	1	1
5 Hawoods	1	1 ^a	24,000	24,000	1	1
6 Wallisville	1 ^a	Closed	28,000	-	1	-
7 Verulam	1	1 ^a	51,000	51,000	1	1
8 Malmgren	1 ^a	Closed	49,000	-	1	-
9 Dacer	1	1 ^a	31,000	31,000	1	1
10 Vance	1 ^a	1 ^a	25,000	25,000	1	1
11 St. Alphege	1	1 ^a	40,000	40,000	1	1
12 Juniata	1	1 ^a	26,000	26,000	1	1
13 Cathkin	1	1	26,000	26,000	1	1
14 Hood	1	1	53,000	53,000	1	1
15 Wolfe	1	1	30,000	25,000	1	1
16 Porter	1	1	31,000	31,000	1	1
17 Argo	1	1	50,000	50,000	1	1
18 Oban	1	1	52,000	52,000	1	1
19 Keppel	1	1	70,000	70,000	1	1
20 Salter	2	2	79,000	79,000	1	1
21 Cazalet	1	1	29,000	43,000	1	1
22 Catherwood	1	1	71,000	71,000	1	1
23 Reford	1	1	92,000	92,000	1	1
24 Cavell	1	1	51,000	51,000	1	1
25 Leney	2	2	60,000	60,000	2	2
26 Lett	1	1	27,000	27,000	1	1
27 Ceepee	2	2	100,000	122,000	1	1
28 Downe	2	2	93,100	107,100	2	2
29 Ibstone	2	2	97,000	97,000	2	2
30 Cloan	3	3	133,700	133,700	2	2
31 Bents	2	2	126,000	126,000	2	2
32 Thackeray	2	2	130,000	130,000	2	1
33 Valley Centre	4	2	153,000	98,000	3	1
34 Traynor	2	2	54,000	54,000	1	1
<i>Hamlets</i>						
35 Environ	2	2	101,000	101,000	1	1
36 Red Pheasant	1	1 ^a	30,000	30,000	1	1
37 Prongua	2	2	134,000	134,000	2	2
38 Phippen	3	3	193,000	193,000	2	2
39 Marriott	3	3	141,000	141,000	2	2
40 Anglia	4	4	173,000	184,000	3	2
41 Revenue	5	5	157,800	157,800	3	2
42 Baljennie	2	2	68,000	56,000	1	1
43 Grandora	2	2	56,000	56,000	1	1
44 Druid	2	2	164,000	164,000	2	2

See footnotes at end of table

(continued)

TABLE 3.4 NUMBER AND CAPACITY OF LICENSED COUNTRY ELEVATORS BY DELIVERY POINT, 1962-63 AND 1969-70 (concluded)

Delivery Point	Number of Elevators		Storage Capacity		Number of Grain Companies	
	1962-63	1969-70	1962-63	1969-70	Aug. 1, 1962	Aug. 1, 1969
	- number		- bushels -		- number -	
45 Feudal	3	1	145,000	87,000	2	1
46 Kelfield	3	3	133,000	128,000	2	2
47 Duperow	2	2	150,400	150,400	2	2
48 Struan	2	2	125,000	125,000	2	2
49 Laura	3	3	167,000	167,000	2	2
50 Rockhaven	4	4	305,000	305,000	3	3
51 Kinley	3	4	140,900	275,100	2	2
52 Broadacres	3	3	142,000	142,000	2	2
53 Springwater	3	3	139,300	139,300	2	1
<i>Villages</i>						
54 Leipzig	3	3	129,000	129,000	2	2
55 Ruthilda	2	2	73,800	95,800	2	2
56 Stranraer	4	4	225,000	247,000	3	2
57 Tessier	3	3	182,000	189,000	3	2
58 Arelee	3	3	244,000	244,000	3	2
59 Handel	4	4	178,000	185,000	3	2
60 Zealandia	4	4	311,500	460,900	4	4
61 Cando	2	2	169,700	169,700	2	2
62 Sonningdale	3	3	102,000	116,000	2	2
63 Herschel	6	5	480,500	557,300	4	3
64 Scott	2	2	170,000	170,000	2	2
65 Tramping Lake	6	6	279,200	334,200	4	3
66 Asquith	2	2	118,000	213,000	1	1
67 Plenty	4	4	364,100	342,100	4	2
68 Harris	3	3	267,000	387,100	3	3
<i>Towns</i>						
69 Landis	2	3	209,000	439,600	2	3
70 Perdue	2	2	95,300	150,900	2	2
71 Battleford	1	2	78,000	148,000	1	2
72 Delisle	4	4	387,000	375,000	4	3
<i>Greater Towns</i>						
73 Wilkie	3	3	323,000	356,000	3	3
74 Biggar	3	5	652,000	1,016,000	2	4
Study Area Total	165	161	9,691,300	10,908,000	6 ^b	5 ^b

^aElevator used for storage only.

^bGrain companies present are:

Federal Grain Ltd.
National Grain Co. Ltd.
Pioneer Grain Co. Ltd.
Saskatchewan Wheat Pool
United Grain Growers Ltd.
Searle Grain Co. Ltd. (Not present in 1969-70)

Source: Canadian Grain Commission, Winnipeg.

TABLE 3.5 COUNTRY ELEVATORS: OWNERSHIP, AGE AND CAPACITY BY DELIVERY POINT, 1972

Delivery Point	Elevator Company	Year of Construction		Storage Capacity
	Aug. 1, 1972	Elevator	Annex	Aug. 1, 1972
- '000 bushels -				
<i>Too Small to Classify</i>				
1 Kinho	Closed			
2 Brisbin	Closed			
3 Lindequist	Closed			
4 Ava	Closed			
5 Hawoods	Closed			
6 Wallisville	Closed			
7 Verulam	Closed			
8 Malmgren	Closed			
9 Dacer	Closed			
10 Vance	Closed			
11 St. Alphege	Closed			
12 Juniata	Closed			
13 Cathkin	Closed			
14 Hood	Closed			
15 Wolfe	Closed			
16 Porter	Closed			
17 Argo	Sask. Wheat Pool	1914	1953	50
18 Oban	Sask. Wheat Pool	1911	1940	52
19 Keppel	Sask. Wheat Pool	1957	1940	70
20 Salter	Sask. Wheat Pool "A"	1928		29
	Sask. Wheat Pool "B"	1928		50
21 Cazalet	Sask. Wheat Pool	1928	1968	43
22 Catherwood	Sask. Wheat Pool	1950	1952	71
23 Reford	Sask. Wheat Pool	1929	1957	92
24 Cavell	Sask. Wheat Pool	1926	1953	51
25 Leney	Sask. Wheat Pool "A"	1917		27
	Sask. Wheat Pool "B"	1916		33
26 Lett	Sask. Wheat Pool	1928		27
27 Ceepee	Sask. Wheat Pool "A"	1968	1924	72
	Sask. Wheat Pool "B"	1923	1932	50
28 Downe	Sask. Wheat Pool "A"	1927	1937 & 1967	62
	Sask. Wheat Pool "B"	1916	1940	45
29 Ibstone	United Grain Growers #1	1923	1923	51
	United Grain Growers #2	1928	1939	46
30 Cloan	Sask. Wheat Pool "A"	1927	1953	63
	Sask. Wheat Pool "B"	1915		23
	Sask. Wheat Pool "C"	1912		23
31 Bents	Sask. Wheat Pool "A"	1928	1940	74
	Sask. Wheat Pool "B"	1928		27
32 Thackeray	Sask. Wheat Pool "A"	1959	1953	83
	Sask. Wheat Pool "B"	1928	1949	25
33 Valley Centre	Sask. Wheat Pool "A"	1928	1940	49
	Sask. Wheat Pool "B"	1928	1940	49
34 Traynor	Sask. Wheat Pool "A"	1917		26
	Sask. Wheat Pool "B"	1932		28
<i>Hamlets</i>				
35 Environ	Sask. Wheat Pool "A"	1926	1939	46
	Sask. Wheat Pool "B"	1926	1952	55
36 Red Pheasant	Closed			
37 Prongua	Sask. Wheat Pool "A"	1917	1954	63
	Sask. Wheat Pool "B"	1922	1951	46
38 Phippen	Sask. Wheat Pool	1925	1953	89
	United Grain Growers	1932	1918 & 1958	104
39 Marriott	United Grain Growers #1	1928	1940	49
	United Grain Growers #2	1941	1941	46
	United Grain Growers #3	1928	1929	46

See footnotes at end of table

(continued)

TABLE 3.5 COUNTRY ELEVATORS: OWNERSHIP, AGE AND CAPACITY BY DELIVERY POINT, 1972
(continued)

Delivery Point	Elevator Company	Year of Construction		Storage Capacity
	Aug. 1, 1972	Elevator	Annex	Aug. 1, 1972
- '000 bushels -				
40 Anglia	Sask. Wheat Pool	1957	1968	59
	United Grain Growers #1	1915		24
	United Grain Growers #2	1928	1940	54
	United Grain Growers #3	1912	1940	47
41 Revenue	Sask. Wheat Pool "A"	1922	1952	67
	Sask. Wheat Pool "B"	1917		21
	Sask. Wheat Pool "C"	1915		23
	Sask. Wheat Pool "D"	1913		22
	Sask. Wheat Pool "E"	1928		25
42 Baljennie	Sask. Wheat Pool "A"	1934	1939	28
	Sask. Wheat Pool "B"	1931		28
43 Grandora	Sask. Wheat Pool "A"	1929		30
	Sask. Wheat Pool "B"	1916		26
44 Druid	Sask. Wheat Pool "A"	1957		94
45 Feudal	Sask. Wheat Pool "B"	1913	1932	45
	Sask. Wheat Pool "C"	1928	1940 & 1955	87
46 Kelfield	Sask. Wheat Pool "A"	1929		65
	Sask. Wheat Pool "B"	1932		23
	Sask. Wheat Pool "C"	1914	1941	40
47 Duperow	Sask. Wheat Pool	1929	1929, 1939 & 1940	100
48 Struan	United Grain Growers #1	1928	1928 & 1940	74
	United Grain Growers #2	1929	1940	51
49 Laura	Sask. Wheat Pool "A"	1944	1952	82
	Sask. Wheat Pool "B"	1909	1940	53
	Sask. Wheat Pool "C"	1912		32
50 Rockhaven	Sask. Wheat Pool "A"	1912		25
	Sask. Wheat Pool "B"	1928	1952 & 1960	134
	Sask. Wheat Pool "C"	1912	1952	48
	Pioneer Grain	1915	1946, 1949 & 1957	98
51 Kinley	Sask. Wheat Pool "A"	1925		28
	Sask. Wheat Pool "B"	1918	1952	48
	Sask. Wheat Pool "C"	1968		135
52 Broadacres	Sask. Wheat Pool "A"	1956	1940	72
	Sask. Wheat Pool "B"	1938	1940	48
	Sask. Wheat Pool "C"	1914		22
53 Springwater	Sask. Wheat Pool "A"	1958	1928	67
	Sask. Wheat Pool "B"	1926		25
	Sask. Wheat Pool "C"	1915	1940	47
<i>Villages</i>				
54 Leipzig	Sask. Wheat Pool "A"	1925	1955	61
	Sask. Wheat Pool "B"	1918		43
	Sask. Wheat Pool "C"	1913		25
55 Ruthilda	Sask. Wheat Pool "A"	1926	1965(2) ^a	49
	Sask. Wheat Pool "B"	1926	1940	47
56 Stranraer	Sask. Wheat Pool	1929	1965(2) ^a	88
	United Grain Growers #1	1912		47
	United Grain Growers #2	1911	1955	65
	United Grain Growers #3	1912	1940	47
57 Tessier	Pioneer Grain	1918	1912(3) ^b	91
	Sask. Wheat Pool	1957	1940	98
58 Arelee	Sask. Wheat Pool	1931	1940 & 1951	89
	United Grain Growers #1	1927	1941 & 1949	75
	United Grain Growers #2	1928	1932 & 1941	80

See footnotes at end of table

(continued)

TABLE 3.5 COUNTRY ELEVATORS: OWNERSHIP, AGE AND CAPACITY BY DELIVERY POINT, 1972
(concluded)

Delivery Point	Elevator Company	Year of Construction		Storage Capacity
	Aug. 1, 1972	Elevator	Annex	Aug. 1, 1972
- '000 bushels -				
59 Handel	Sask. Wheat Pool "A"	1926	1940 & 1954	78
	Sask. Wheat Pool "B"	1915	1930	56
	Sask. Wheat Pool "C"	1917		25
	Sask. Wheat Pool "D"	1923		26
60 Zealandia	National Grain	1909	1940 & 1958	89
	Sask. Wheat Pool "A"	1957	1925	93
	Sask. Wheat Pool "B"	1963	1917, 1940 & 1953	136
	United Grain Growers	1909	1917 & 1967	134
61 Cando	Sask. Wheat Pool "A"	1917	1951 & 1960	98
	Sask. Wheat Pool "B"	1911	1940 & 1949	72
62 Sonningdale	Sask. Wheat Pool "A"	1927	1940 & 1968	64
	Sask. Wheat Pool "B"	1928	1928	52
63 Herschel	Sask. Wheat Pool "A"	1912		26
	Sask. Wheat Pool "B"	1928	1953(2) ^a	136
	Sask. Wheat Pool "C"	1938	1940, 1954 & 1963	120
	Sask. Wheat Pool "D"	1947	1954 & 1955	78
	United Grain Growers	1966	1966	150
64 Scott	National Grain	1946	1956	80
	Sask. Wheat Pool	1960	1956	90
65 Tramping Lake	Sask. Wheat Pool "A"	1917		28
	Sask. Wheat Pool "B"	1929	1964	95
	Sask. Wheat Pool "C"	1913	1940 & 1960	81
	Sask. Wheat Pool "D"	1924		25
	Sask. Wheat Pool "E"	1914	1939	37
	Sask. Wheat Pool "F"	1928	1940	50
66 Asquith	Sask. Wheat Pool "A"	1968	1926 & 1957	165
	Sask. Wheat Pool "B"	1935		23
67 Plenty	Sask. Wheat Pool "A"	1960	1957	90
	Sask. Wheat Pool "B"	1910	1940 & 1957	73
	Sask. Wheat Pool "C"	1915	1940 & 1957	98
	Sask. Wheat Pool "D"	1912	1940	24
68 Harris	Pioneer Grain	1915	1940 & 1959	115
	Sask. Wheat Pool	1948	1954 & 1967	170
	United Grain Growers	1928	1916 & 1953	101
<i>Towns</i>				
69 Landis	National Grain	1929	1921, 1940 & 1965	125
	Sask. Wheat Pool	1929	1954 & 1958	153
	United Grain Growers	1965	1966	162
70 Perdue	Sask. Wheat Pool "A"	1958		50
	Sask. Wheat Pool "B"	1967	1916 & 1951	101
71 Battleford	Sask. Wheat Pool	1960	1953	78
	United Grain Growers	1967		70
72 Delisle	Sask. Wheat Pool "A"	1926	1939, 1940 & 1955	85
	Sask. Wheat Pool "B"	1917	1940 & 1955	113
	Sask. Wheat Pool "C"	1929	1940	29
	Pioneer Grain	1908	1941, 1956 & 1961	111
<i>Greater Towns</i>				
73 Wilkie	Sask. Wheat Pool "A"	1968	1927 & 1955	165
	Sask. Wheat Pool "B"	1922	1955	75
	United Grain Growers	1955	1908 & 1949	116
74 Biggar	National Grain	1910	1940 & 1958	110
	Pioneer Grain	1966	1967 & 1971	365
	Sask. Wheat Pool "A"	1969	1921 & 1956	132
	Sask. Wheat Pool "B"	1961	1951	124
	United Grain Growers	1963		105

^aTwo annexes constructed in the same year.

^bThree annexes constructed in the same year.

Source: Canadian Grain Commission, Winnipeg.

Receipts of Grain at Country Elevators

Annual receipts of grain is another measurement of the importance of a grain collection and distribution center. In Table 3.6, receipts for the crop years from 1962-63 to 1970-71 are presented for each delivery point in the study area.

For all points open in 1970-71, the ten-year average receipts range from 56,000 bushels at Wolfe to 1,122,000 bushels at Biggar. The observation that the amount of grain received at a delivery point is commensurate with the size of the community can be illustrated by listing the ten-year average for each community class size: "too small to classify", 124,000 bushels; hamlets, 252,000 bushels; villages, 427,000 bushels; towns, 446,000 bushels; and greater towns, 914,000 bushels.

Grain receipts vary considerably from year to year because they are affected by such things as crop yields and grain marketings. In the study area, total annual receipts for the nine-year period ranged from a low of 15.6 million bushels to a high of 27.4 million bushels.

TABLE 3.6 RECEIPTS OF GRAIN AT LICENSED COUNTRY ELEVATORS BY DELIVERY POINT, 1962-63 TO 1970-71 AND TEN-YEAR AVERAGE

Delivery Point	1962-63 ^a	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	Ten-Year Average 1960-61 to 1969-70
	- '000 bushels -									
<i>Too Small to Classify</i>										
1 Kinhop	*	*	*	Closed	*	Closed	*	*	Closed ^b	22 ^c
2 Brisbin	*	*	*	*	*	*	*	*	Closed ^b	58 ^c
3 Lindequist	*	*	*	*	*	*	*	*	*	
4 Ava	*	*	*	*	*	39	*	*	*	
5 Hawoods	42	108	59	53	59					
6 Wallisville	*	*	*	*	*	*	*	Closed	Closed ^b	77 ^c
7 Verulam	88	99	81	80	63	*	*	*		22 ^c
8 Malmgren	*	*	Closed	*	*	*	*	*	Closed ^b	51 ^c
9 Dacer	41	*	*	*	*	*	*	*	Closed ^b	48 ^c
10 Vance	*	*	*	*	*	*	*	*	*	77 ^c
11 St. Alphege	89	118	76	80	105	60	55	*	*	57 ^c
12 Juniata	37	74	43	69	100	68	*	*	*	74
13 Cathkin	63	109	85	94	99	61	51	52	74	105
14 Hood	168	121	104	84	111	74	61	67	*	56
15 Wolfe	58	84	53	66	72	51	33	39	35	78
16 Porter	120	125	48	104	95	50	36	44	*	89
17 Argo	64	114	63	93	138	97	91	40	59	70
18 Oban	70	148	104	116	160	76	63	68	107	100
19 Keppel	147	175	102	117	142	107	84	79	80	114
20 Salter	107	201	128	149	194	133	114	89	119	131
21 Cazaleet	127	172	133	173	226	145	112	100	138	145
22 Catherwood	197	283	241	238	287	208	170	133	183	215
23 Reford	123	187	128	147	193	117	106	209	383	132
24 Cavell	115	169	133	158	232	147	127	125	165	146
25 Loney	157	207	120	145	224	144	115	105	136	137
26 Lett	219	365	300	335	393	234	232	251	288	273
27 Ceepee	232	220	189	225	278	155	149	192	236	196
28 Downe	215	297	193	218	261	159	120	116	110	191
29 Ibstone	286	337	245	289	375	249	217	233	411	261
30 Cloan	194	261	222	205	300	192	169	168	160	207
31 Bents	252	291	265	274	293	191	154	168	217	225
32 Thackeray	267	291	214	255	334	214	179	165	205	235
33 Valley Centre	181	183	102	117	173	101	82	72	72	117
34 Traynor										
<i>Hamlets</i>										
35 Environ	77	195	151	221	286	169	149	153	190	157
36 Red Pheasant	64	73	34	56	63	54	*	*	*	53 ^c
37 Prongua	306	346	280	329	378	194	160	160	202	263
38 Phippen	202	337	267	274	329	219	183	191	366	245
39 Marriott	377	441	308	356	443	267	263	321	238	336

(continued)

See footnotes at end of table

TABLE 3.6 RECEIPTS OF GRAIN AT LICENSED COUNTRY ELEVATORS BY DELIVERY POINT, 1962-63 TO 1970-71 AND TEN-YEAR AVERAGE (concluded)

Delivery Point	1962-63 ^a	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	Ten-Year Average 1960-61 to 1969-70
					- '000 bushels -					
40 Anglia	231	330	194	245	295	180	177	191	192	238
41 Revenue	291	448	430	368	473	286	234	222	348	318
42 Baljennie	62	197	83	163	233	161	115	128	183	130
43 Grandora	92	168	93	152	162	118	110	97	124	118
44 Druid	260	309	322	333	430	242	213	237	246	272
45 Feudal	222	263	229	261	334	200	162	186	182	228
46 Kelfield	100	377	277	244	358	211	193	199	262	225
47 Duperow	305	323	181	247	334	207	172	217	245	235
48 Struan	164	364	242	237	413	273	220	205	348	248
49 Laura	269	329	267	380	421	262	245	298	328	303
50 Rockhaven	526	602	507	598	801	704	630	858	1,310	604
51 Kinley	391	558	421	545	593	386	365	456	538	445
52 Broadacres	224	387	300	233	368	234	198	198	293	249
53 Springwater	176	415	282	355	473	322	255	246	314	295
<i>Villages</i>										
54 Leipzig	270	455	335	356	446	300	258	270	396	314
55 Ruthilda	287	327	242	323	447	263	249	284	350	288
56 Stranraer	440	378	435	472	601	312	292	354	449	399
57 Tessier	211	278	163	268	385	245	226	264	377	257
58 Arelee	289	525	395	448	594	352	314	347	486	385
59 Handel	313	601	502	497	621	385	330	349	457	421
60 Zealandia	628	700	545	571	859	541	539	721	965	608
61 Cando	342	521	320	413	530	375	295	416	546	371
62 Sonningdale	113	302	162	554	395	285	210	268	318	228
63 Herschel	737	964	777	860	1,201	700	638	740	1,123	803
64 Scott	349	457	332	365	442	289	259	264	539	326
65 Tramping Lake	538	781	641	561	836	526	437	455	706	558
66 Asquith	198	421	286	484	668	439	525	703	884	412
67 Plenty	552	629	612	686	856	474	412	578	778	566
68 Harris	400	480	382	516	711	462	440	567	995	473
<i>Towns</i>										
69 Landis	603	859	612	703	1,076	652	624	701	1,495	667
70 Perdue	187	323	260	341	487	325	307	351	512	295
71 Battleford	226	372	271	362	404	388	345	446	830	312
72 Delisle	359	601	348	686	804	481	445	488	603	505
<i>Greater Towns</i>										
73 Wilkie	652	879	622	713	1,007	745	634	817	1,301	705
74 Biggar	742	1,457	984	1,192	1,832	1,258	1,139	1,410	2,196	1,122
Study Area Total	16,513	23,670	17,604	20,925	27,410	17,645	15,572	17,476	25,572	18,686

*Storage only.

^aRapeseed receipts are not included in 1962-63.

^bLicense cancelled during 1970-71 crop year.

^cAverage is for those years that a delivery point had receipts.

Source: Canadian Grain Commission, Winnipeg.

Throughput Ratios

The throughput ratio is the total number of bushels annually received at a delivery point divided by its bushel storage capacity (Table 3.7).¹ This ratio is one way to measure the efficiency of the grain elevator or elevators at a delivery point. The ten-year average is the average annual receipts for the period divided by the rated storage capacity for 1969-70. On this basis, 36 points had throughput ratios under 2.0 and 30 points had ratios from 2.0 to 2.9. Only three points had greater ratios: Cazalet and Ruthilda had ratios of 3.0 while Lett had the highest ratio, 5.1. The lowest ten-year average, 1.0, was recorded at Ava. Contrary to what one might expect, larger centers did not usually have higher throughput ratios than smaller centers.

It has been suggested that an elevator, paying for itself should maintain a throughput ratio between 3.0 and 4.0.² Speculative reasoning suggests the example that follows. Suppose that a one-elevator delivery point has a storage capacity of 50,000 bushels, so a throughput ratio of 2.0 would require the handling of 100,000 bushels annually. At 2,000 bushels per boxcar, the elevator agent would need to load only 50 cars during the year or one car each week for 50 weeks. A throughput ratio of 5.0 would require 250,000 bushels in receipts and oblige the agent to load 2.5 cars per week of the year. This does not seem unreasonable.

¹A further comparison of throughput ratios is presented in Part IV, Table 4.5.

²D. Zasada, "The Probable Effects of the Application for Railway Branch Line Abandonment on the Grain Elevator Industry", Canadian Farm Economics, April 1968, p. 21.

TABLE 3.7 THROUGHPUT RATIOS BY DELIVERY POINT, 1962-63, 1969-70 AND
TEN-YEAR AVERAGE 1960-61 TO 1969-70

Delivery Point	1962-63	1969-70	Ten-Year Average 1960-61 to 1969-70
<i>Too Small to Classify</i>			
1 Kinhop	*	Closed	-
2 Brisbin	*	Closed	-
3 Lindequist	*	*	-
4 Ava	*	*	1.0
5 Hawoods	1.8	*	2.4
6 Wallisville	*	Closed	-
7 Verulam	1.7	*	1.5
8 Malmgren	*	Closed	-
9 Dacer	1.3	*	1.6
10 Vance	*	*	1.9
11 St. Alphege	2.2	*	1.9
12 Juniata	1.4	*	2.2
13 Cathkin	2.4	2.0	2.8
14 Hood	3.2	1.3	2.0
15 Wolfe	1.9	1.6	2.2
16 Porter	2.5	1.4	2.5
17 Argo	2.4	0.8	1.8
18 Oban	1.2	1.3	1.3
19 Keppel	1.0	1.1	1.4
20 Salter	1.9	1.1	1.4
21 Cazalet	3.7	2.3	3.0
22 Catherwood	1.8	1.9	2.0
23 Reford	2.1	2.3	2.3
24 Cavell	2.4	2.1	2.6
25 Leney	1.9	2.1	2.4
26 Lett	5.8	3.9	5.1
27 Ceepee	2.2	2.1	2.2
28 Downe	2.5	1.8	1.8
29 Ibstone	2.2	1.2	2.0
30 Cloan	2.1	1.7	1.9
31 Bents	1.5	1.3	1.6
32 Thackeray	1.9	1.3	1.7
33 Valley Centre	1.7	1.7	2.4
34 Traynor	3.4	1.3	2.2
<i>Hamlets</i>			
35 Environ	0.8	1.5	1.6
36 Red Pheasant	2.1	*	1.8
37 Prongua	2.3	1.2	2.0
38 Phippen	1.0	1.0	1.3
39 Marriott	2.7	2.3	2.4
40 Anglia	1.3	1.0	1.3

See footnotes at end of table

(continued)

TABLE 3.7 THROUGHPUT RATIOS BY DELIVERY POINT, 1962-63, 1969-70 AND
TEN-YEAR AVERAGE 1960-61 TO 1969-70 (concluded)

Delivery Point	1962-63	1969-70	Ten-Year Average 1960-61 to 1969-70
41 Revenue	1.8	1.4	2.0
42 Baljennie	0.9	2.3	2.3
43 Grandora	1.6	1.7	2.1
44 Druid	1.6	1.4	1.7
45 Feudal	1.5	2.1	2.6
46 Kelfield	0.8	1.6	1.8
47 Duperow	2.0	1.4	1.6
48 Struan	1.3	1.6	2.0
49 Laura	1.6	1.8	1.8
50 Rockhaven	1.7	2.8	2.0
51 Kinley	2.8	1.7	1.6
52 Broadacres	1.6	1.4	1.8
53 Springwater	1.3	1.8	2.1
<i>Villages</i>			
54 Leipzig	2.1	2.1	2.4
55 Ruthilda	3.9	3.0	3.0
56 Stranraer	2.0	1.4	1.6
57 Tessier	1.2	1.4	1.4
58 Arelee	1.2	1.4	1.6
59 Handel	1.8	1.9	2.3
60 Zealandia	2.0	1.6	1.3
61 Cando	2.0	2.5	2.2
62 Sonningdale	1.1	2.3	2.0
63 Herschel	1.4	1.3	1.4
64 Scott	2.1	1.6	1.9
65 Tramping Lake	1.9	1.4	1.7
66 Asquith	1.7	3.3	1.9
67 Plenty	1.5	1.7	1.7
68 Harris	1.5	1.5	1.2
<i>Towns</i>			
69 Landis	2.9	1.6	1.5
70 Perdue	2.0	2.3	2.0
71 Battleford	2.9	3.0	2.1
72 Delisle	0.9	1.3	1.3
<i>Greater Towns</i>			
73 Wilkie	2.0	2.3	2.0
74 Biggar	1.1	1.4	1.1
Study Area Total	1.7	1.6	1.7

*Storage only.

Source: Canadian Grain Commission, Winnipeg.

Acres for Delivery Quota Purposes

Prior to the 1970-71 crop year, the basis for determining each producer's general grain delivery quota was the acres devoted to cereal crops, summer fallow and cultivated forage crops. This land was referred to as "specified acreage". Other miscellaneous crops, native pasture and unimproved farmland were not part of the specified acreage; neither were oilseeds, which had their own quotas based on declared seeded acreage.

The number of specified acres tributary to a delivery point indicates the amount of land available for grain production as well as the demand for grain handling and storage facilities. Table 3.8 sets out the specified acreage for each delivery point from 1962-63 to 1969-70. In 1969-70, 2,379,109 acres of the 2,914,200 acres of farmland in the Biggar region were specified acreage. A one-bushel quota would, therefore, result in the delivery of about 2,380,000 bushels of grain.

From 1962-63 to 1969-70, the total specified acreage in the study area increased by 3.6 percent. Forty-nine of the 74 delivery points had decreases (13 closures included), while 25 of them had increases. Most communities "too small to classify" and hamlets lost specified acreages, whereas villages, towns and greater towns usually gained acreages. The largest decrease, 55.0 percent, occurred at Argo; the largest increase, 87.7 percent, took place at Rockhaven.

Following the Operation LIFT program of 1970-71, further changes in the delivery quota system were introduced for the 1971-72 crop year. Under the new system, each producer was required to calculate his total number of assignable acres by adding together his 1971 acreages in (1) the six quota grains¹, (2) summer fallow, (3) other miscellaneous annual crops, and (4) perennial forage up to one third of the total of items (1) to (3). Subject to certain regulations, total assignable acres could be distributed for quota purposes to any one of the quota grains whether or not the producer had land seeded to that particular crop in 1971. In consequence, there are about 16 different delivery quotas, each with a separately assigned acreage. Furthermore, each of these quotas may be terminated or increased at the discretion of the Wheat Board.

Table 3.9 shows 1971-72 seeded and assigned quota acreages by delivery point in the Biggar region. The quota acres assigned to durum and other wheat amounted to almost 3 times the acreage seeded to all wheat. The ratio of seeded acres to total quota acres for the other grains were as follows: oats, 1:0.4; barley, 1:1.0; rye, 1:1.0; flax, 1:1.3; and rape, 1:1.0. Cavell is an example of a delivery point where producers assigned a portion of their quota acres to a crop that they did not plant in 1971. Although quota acres at Cavell were assigned to Hercules durum, none was planted.

¹These are wheat including durum wheat, barley, oats, rye, flaxseed and rapeseed.

TABLE 3.8 CANADIAN WHEAT BOARD SPECIFIED ACREAGE FOR DELIVERY QUOTA PURPOSES BY DELIVERY POINT, 1962-63 TO 1969-70

Delivery Point	1962-63 ^a	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	Percent of Change 1962-63 to 1969-70
- acres -									
<i>Too Small to Classify</i>									
1 Kinhop	*	*	*	Closed	*	Closed	*	*	-
2 Brisbin	*	*	*	*	*	*	*	*	-
3 Lindequist	*	*	*	*	*	*	*	*	-
4 Ava	*	*	*	*	*	*	*	*	-
5 Hawoods	16,498	15,906	13,561	7,944	7,553	6,537	*	Closed	-
6 Wallisville	*	*	*	*	*	330 ^b	*	*	-
7 Verulam	12,723	8,195	8,323	8,140	8,183	*	*	*	-
8 Malmgren	*	*	Closed	*	*	*	*	*	-
9 Dacer	10,570	*	*	*	*	*	*	*	-
10 Vance	*	*	*	*	*	*	*	*	-
11 St. Alphege	10,565	9,908	10,051	10,584	9,844	7,806	8,066	*	-
12 Juniata	10,716	11,847	11,579	10,235	10,962	10,927	*	*	-
13 Cathkin	9,323	9,831	9,621	8,231	8,681	8,130	7,187	7,597	-18.5
14 Hood	16,554	11,400	11,594	8,468	8,783	9,213	8,508	9,143	-44.8
15 Wolfe	7,613	7,890	8,797	8,526	6,825	7,910	6,015	5,850	-23.2
16 Porter	10,821	13,513	13,002	10,354	9,066	6,304	5,531	7,132	-34.1
17 Argo	16,822	18,565	16,021	13,791	13,596	13,641	13,687	7,572	-55.0
18 Oban	12,640	11,323	11,156	11,318	11,495	10,317	10,662	10,051	-20.5
19 Keppel	14,109	14,064	14,627	14,957	14,887	14,450	13,839	13,449	-4.7
20 Salter	17,452	15,680	15,518	15,555	13,093	12,845	13,067	13,907	-20.3
21 Cazalet	18,808	18,849	20,416	20,566	20,151	18,996	18,332	17,544	-6.7
22 Catherwood	15,894	16,498	14,342	18,748	19,993	19,089	18,699	20,145	+26.7
23 Reford	24,330	24,354	23,332	23,569	23,753	22,922	23,179	23,452	-3.6
24 Cavell	15,759	15,568	15,742	16,354	15,769	16,373	16,535	15,226	-3.4
25 Loney	20,346	21,808	22,474	20,135	20,427	20,083	19,357	15,989	-21.4
26 Lett	21,205	20,296	20,590	17,988	20,358	20,121	18,884	19,220	-9.4
27 Ceepce	40,752	38,462	39,190	35,874	34,504	33,651	33,370	30,314	-25.6
28 Downe	21,394	22,536	22,897	23,268	21,849	21,051	21,204	21,736	+1.6
29 Ibstone	27,418	26,672	26,332	26,837	23,060	21,313	20,733	17,383	-36.6
30 Cloan	28,300	28,009	27,713	28,126	29,380	30,557	31,222	30,266	+6.9
31 Bents	32,360	32,690	32,423	31,633	28,081	28,229	28,252	26,460	-18.2
32 Thackeray	27,797	27,212	27,362	26,435	25,185	23,160	22,470	22,377	-19.5
33 Valley Centre	31,621	30,184	29,210	30,466	29,074	30,865	28,500	23,686	-25.1
34 Traynor	17,389	15,504	16,170	17,252	15,464	13,863	13,160	12,486	-28.2
<i>Hamlets</i>									
35 Environ	21,524	24,070	26,676	27,467	26,700	26,305	26,040	23,140	+7.5
36 Red Pheasant	7,185	5,707	5,767	5,941	6,809	6,494	*	*	-
37 Prongua	30,654	33,072	32,754	34,107	34,435	28,396	23,818	21,925	-28.5
38 Phippen	27,520	28,702	28,123	28,812	28,181	26,774	26,486	25,842	-6.1
39 Marriott	46,967	47,387	46,575	43,265	41,350	39,383	39,057	39,803	-15.3
40 Anglia	28,074	29,612	29,353	26,168	23,409	23,282	23,417	23,040	-17.9

See footnotes at end of table

(continued)

TABLE 3.8 CANADIAN WHEAT BOARD SPECIFIED ACREAGE FOR DELIVERY QUOTA PURPOSES BY DELIVERY POINT, 1962-63 TO 1969-70 (concluded)

Delivery Point	1962-63 ^a	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	Percent of Change 1962-63 to 1969-70
					- acres -				
41 Revenue	34,368	35,732	36,001	36,370	36,742	36,105	36,505	35,161	+2.3
42 Baljennie	19,100	19,769	19,490	18,685	20,769	21,304	20,488	20,524	+7.5
43 Grandora	21,740	20,491	19,639	20,459	19,336	18,725	18,898	16,833	-22.6
44 Druif	25,670	26,303	30,358	31,779	32,616	32,669	32,423	32,333	+26.0
45 Feudal	32,151	32,537	32,666	31,002	31,419	29,576	29,396	28,922	-10.0
46 Kelfield	32,614	32,711	31,135	32,125	32,260	32,425	31,613	34,035	+4.4
47 Duperow	39,441	41,432	37,724	35,545	31,890	31,255	31,762	33,229	-15.8
48 Struan	39,079	38,436	39,298	36,485	36,396	36,650	36,786	30,705	-21.4
49 Laura	41,647	42,411	43,293	42,283	39,914	39,551	38,252	38,831	-6.8
50 Rockhaven	43,491	48,122	51,461	52,834	54,329	64,762	75,614	81,625	+87.7
51 Kinley	58,825	59,864	62,594	59,095	55,420	52,124	53,067	52,305	-11.1
52 Broadacres	29,601	31,386	32,694	31,752	32,403	32,875	34,852	32,262	+9.0
53 Springwater	40,866	41,884	42,126	43,751	44,128	44,088	41,283	38,068	-6.8
<i>Villages</i>									
54 Leipzig	39,910	39,141	39,162	38,275	38,538	38,125	38,507	38,701	-3.0
55 Ruthilda	37,492	37,431	38,392	36,807	37,719	38,735	39,439	38,050	+1.5
56 Stranraer	37,124	39,039	36,983	38,417	40,597	42,285	41,430	39,093	+5.3
57 Tessler	37,753	37,419	36,581	36,288	37,118	36,923	36,301	34,217	-9.4
58 Arelee	49,664	49,545	48,053	49,363	49,644	49,868	49,695	54,311	+9.4
59 Handel	50,968	50,620	50,385	52,337	52,171	52,331	51,418	49,525	-2.8
60 Zealandia	63,107	66,377	68,590	68,539	71,798	70,882	69,973	67,332	+6.7
61 Cando	46,419	46,936	45,413	45,722	46,719	46,583	52,772	50,958	+9.8
62 Sonningdale	26,961	28,456	29,979	34,175	34,806	35,871	37,135	39,333	+45.9
63 Herschel	82,399	85,573	88,286	90,353	93,237	95,192	97,246	99,780	+21.1
64 Scott	39,615	37,436	37,516	38,801	38,254	38,575	38,685	38,349	-3.2
65 Tramping Lake	67,101	66,626	66,290	66,365	65,206	65,896	64,430	65,640	-2.2
66 Asquith	46,678	54,453	58,827	63,822	64,011	69,644	85,282	85,978	+84.2
67 Plenty	50,428	57,347	56,655	59,425	61,619	64,068	61,865	60,321	+19.6
68 Harris	54,824	56,313	58,801	61,592	64,501	65,455	66,774	67,214	+22.6
<i>Towns</i>									
69 Landis	78,028	81,010	82,744	81,970	86,732	90,233	92,418	98,849	+26.7
70 Perdue	37,876	37,963	39,745	40,813	43,170	47,513	48,153	50,795	+34.1
71 Battleford	30,344	38,861	35,654	42,709	40,064	49,755	56,160	56,012	+84.6
72 Delisle	76,789	77,610	76,037	74,010	76,031	70,741	67,165	63,197	-17.7
<i>Greater Towns</i>									
73 Wilkie	71,713	78,151	77,345	78,880	86,609	89,274	93,207	104,961	+46.4
74 Biggar	141,131	148,924	157,701	165,702	174,379	178,649	181,656	196,925	+39.5
Study Area Total	2,296,620	2,342,623	2,358,909	2,367,644	2,381,445	2,388,024	2,390,927	2,379,109	+3.6

*Storage only.

^aDurum excluded from specified acreage in 1962-63.

^bClosed for storage during this crop year.

Source: Canadian Wheat Board, Winnipeg.

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72

	Too Small to Classify													
	17 Argo			18 Oban			19 Keppel			20 Salter			21 Cazalet	
	Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres
Hercules Durum % of Total	-	-	85	-	-	-	-	-	-	-	-	-	-	-
Other Durum % of Total	-	-	0.8	-	0.8	-	-	-	-	-	-	-	-	-
All Other Wheat % of Total	-	-	100	50	90	400	355	355	355	95	355	355	95	355
Oats % of Total	1,327	4,326	7,059	3,475	8,312	10,069	3,973	10,069	10,069	3,973	10,069	15,335	6,344	15,335
Selected Oats % of Total	15.5	56.5	68.2	34.7	82.9	81.8	32.3	81.8	81.8	32.3	81.8	80.7	33.4	80.7
Barley % of Total	970	1,509	393	340	218	257	959	218	218	959	218	257	1,046	257
Other Rye % of Total	11.3	19.7	3.8	3.4	5.0	1.4	7.7	1.8	1.8	7.7	5.5	1.4	5.5	1.4
Flaxseed % of Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flaxseed for Crushing % of Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Low Erucic Acid Rape % of Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Rapeseed % of Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Misc. Crops % of Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Summer Fallow % of Total	2,326	-	-	4,053	-	-	5,221	-	-	5,221	-	-	7,250	-
Subtotal % of Total	27.2	-	-	40.4	-	-	42.4	-	-	42.4	-	-	38.2	-
Perennial Forage % of Total	6,189	7,660	10,351	9,609	10,024	12,312	12,118	12,312	12,312	12,118	18,231	18,991	18,231	18,991
TOTAL IMPROVED ACRES % of Total	2,377	100.0	100.0	95.9	100.0	100.0	98.4	100.0	100.0	98.4	100.0	100.0	96.0	100.0
	2,377	-	-	415	-	-	194	-	-	194	-	-	760	-
	27.7	-	-	4.1	-	-	1.6	-	-	1.6	-	-	4.0	-
	8,566	7,660	10,351	10,024	10,024	12,312	12,312	12,312	12,312	12,312	18,991	18,991	18,991	18,991
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	22 Gatherwood			23 Reford			24 Cavell			25 Lenev			26 Lett		
	Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres	
Hercules Durum	195	185		90	90		-	538		280	110		-	-	
% of Total	1.1	1.0		0.3	0.3		-	3.6		1.5	0.6		-	-	
Other Durum	368	653		80	180		-	-		464	634		120	225	
% of Total	2.1	3.7		0.3	0.6		-	-		2.5	3.5		0.7	1.3	
All Other Wheat	5,133	13,277		7,674	20,822		4,978	10,987		4,558	13,117		4,727	12,923	
% of Total	28.9	74.9		25.0	68.0		33.2	73.3		25.0	71.7		27.7	75.8	
Oats	485	50		1,786	365		541	164		470	-		938	225	
% of Total	2.7	0.3		5.8	1.2		3.6	1.1		2.6	-		5.5	1.3	
Selected Oats	-	30		-	750		-	185		-	60		-	300	
% of Total	-	0.2		-	2.4		-	1.2		-	0.3		-	1.8	
Barley	1,292	255		4,108	2,299		1,351	680		1,790	725		2,528	1,111	
% of Total	7.3	1.4		13.4	7.5		9.0	4.5		9.8	5.0		14.8	6.5	
Selected Barley	-	850		-	1,600		-	500		-	500		-	1,250	
% of Total	-	4.8		-	5.2		-	3.3		-	2.7		-	7.3	
Rye	195	140		330	255		35	-		860	865		-	-	
% of Total	1.1	0.8		1.1	0.8		0.2	-		4.7	4.7		-	-	
Other Rye	-	-		-	-		-	-		-	-		-	-	
% of Total	-	-		-	-		-	-		-	-		-	-	
Flaxseed	480	660		130	120		-	20		840	940		-	-	
% of Total	2.7	3.7		0.4	0.4		-	0.2		4.6	5.2		-	-	
Flaxseed for Crushing	-	-		-	-		-	-		-	-		-	-	
% of Total	-	-		-	-		-	-		-	-		-	-	
Low Erucic Acid Rape	1,055	935		265	200		227	227		935	936		100	100	
% of Total	5.9	5.3		0.9	0.7		1.5	1.5		5.1	5.1		0.6	0.6	
Other Rapeseed	670	685		3,912	3,947		1,869	1,694		550	400		1,123	927	
% of Total	3.8	3.9		12.8	12.9		12.5	11.3		3.0	2.2		6.6	5.4	
Misc. Crops	90	-		235	-		39	-		-	-		-	-	
% of Total	0.5	-		0.8	-		0.3	-		-	-		-	-	
Summer Fallow	7,066	-		11,375	-		5,657	-		6,551	-		6,736	-	
% of Total	39.7	-		37.1	-		37.7	-		35.8	-		39.5	-	
Subtotal	17,029	17,720		29,985	30,628		14,697	14,995		17,429	18,287		16,272	17,061	
% of Total	95.8	100.0		97.9	100.0		98.0	100.0		94.6	100.0		95.4	100.0	
Perennial Forage	751	-		643	-		298	-		989	-		789	-	
% of Total	4.2	-		2.1	-		2.0	-		5.4	-		4.6	-	
TOTAL IMPROVED ACRES	17,780	17,720		30,628	30,628		14,995	14,995		18,287	18,287		17,061	17,061	
% of Total	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	27 Ceepee			28 Downe			29 Ibstone			30 Cloan			31 Bents		
	Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres	
Hercules Durum % of Total	160	160	271	271	271		-	-	-	-	-	-	40	40	
Other Durum	0.6	0.6	1.2	1.2	1.2		-	-	-	-	-	-	0.2	0.2	
% of Total	-	547	545	610	545		-	-	-	-	-	-	-	173	
All Other Wheat	-	2.1	2.4	2.7	2.4		-	-	-	-	-	-	-	0.8	
% of Total	7,601	19,142	16,586	6,805	16,586		3,466	10,094	13,709	4,410	13,709	5,552	5,552	15,742	
Oats	28.6	72.3	74.0	30.3	74.0		23.9	70.3	54.0	16.0	54.0	25.5	25.5	74.2	
% of Total	2,454	580	40	257	40		1,971	539	542	1,214	542	760	760	70	
Selected Oats	9.2	2.2	0.2	1.2	0.2		13.6	3.8	2.1	4.4	2.1	3.5	3.5	0.3	
% of Total	-	980	50	-	50		-	50	100	-	100	-	-	135	
Barley	3,820	2,183	1,506	3,217	1,506		2,612	2,346	4,776	4,535	4,776	2,344	2,344	1,113	
% of Total	14.4	8.2	6.7	14.3	6.7		18.1	16.3	18.8	16.4	18.8	10.8	10.8	5.3	
Selected Barley	-	750	1,550	-	1,550		-	500	1,050	-	1,050	-	-	1,200	
% of Total	-	2.8	6.9	-	6.9		-	3.5	4.1	-	4.1	-	-	5.7	
Rye	675	595	40	40	40		45	40	250	-	250	1,319	1,319	1,173	
% of Total	2.5	2.2	0.2	0.2	0.2		0.3	0.3	1.0	-	1.0	6.0	6.0	5.5	
Other Rye	-	-	-	-	-		-	-	-	-	-	-	-	30	
% of Total	-	-	-	-	-		-	-	-	-	-	-	-	0.1	
Flaxseed	-	35	1,370	1,070	1,370		-	-	60	-	60	235	235	400	
% of Total	-	0.1	6.1	4.8	6.1		-	-	0.3	-	0.3	1.1	1.1	1.9	
Flaxseed for Crushing	-	-	-	-	-		-	-	-	-	-	-	-	-	
% of Total	-	-	-	-	-		-	-	-	-	-	-	-	-	
Low Erucic Acid Rape	171	171	50	50	50		-	30	615	635	615	150	150	150	
% of Total	0.6	0.7	0.2	0.2	0.2		-	0.2	2.4	2.3	2.4	0.7	0.7	0.7	
Other Rapeseed	1,264	1,348	415	484	415		735	721	3,999	3,878	3,999	1,072	1,072	990	
% of Total	4.8	5.1	1.9	2.2	1.9		5.1	5.0	15.8	14.1	15.8	4.9	4.9	4.7	
Misc. Crops	20	-	-	139	-		-	-	-	2,110	-	-	-	-	
% of Total	0.1	-	-	0.6	-		-	-	-	7.6	-	-	-	-	
Summer Fallow	8,977	-	-	9,141	-		4,702	-	-	9,080	-	7,749	7,749	-	
% of Total	33.8	-	-	40.8	-		32.5	-	-	33.0	-	35.6	35.6	-	
Subtotal	25,142	26,491	22,423	22,084	22,423		13,561	14,360	25,381	25,962	25,381	19,221	19,221	21,216	
% of Total	94.6	100.0	100.0	98.5	100.0		93.7	100.0	100.0	94.2	100.0	88.3	88.3	100.0	
Perennial Forage	1,450	-	-	339	-		907	-	-	1,592	-	2,562	2,562	-	
% of Total	5.4	-	-	1.5	-		6.3	-	-	5.8	-	11.7	11.7	-	
TOTAL IMPROVED ACRES	26,592	26,491	22,423	22,423	22,423		14,468	14,360	25,381	27,554	25,381	21,783	21,783	21,216	
% of Total	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	32 Thackeray			Too Small to Classify (concluded)			Hamlets		
	Seeded & Summer Fallow Acreage	Quota Acres		33 Valley Center	34 Traynor		35 Environ	37 Prongue	
				Seeded & Summer Fallow Acreage	Seeded & Summer Fallow Acreage	Quota Acres	Seeded & Summer Fallow Acreage	Seeded & Summer Fallow Acreage	Quota Acres
Hercules Durum % of Total	-	-		333	-	295	50	-	-
Other Durum % of Total	-	-		1.2	-	1.1	0.2	-	-
All Other Wheat % of Total	-	50		395	5	890	520	140	240
Oats % of Total	4,050	0.2		1.4	0.1	3.2	2.6	0.7	1.2
Selected Oats % of Total	12,796	12,796		8,140	3,385	20,797	4,539	1,851	10,451
Barley % of Total	20.5	64.9		29.5	40.8	75.5	22.4	9.5	53.9
Selected Barley % of Total	1,174	205		1,014	283	145	2,021	411	282
Other Rye % of Total	5.9	1.0		3.7	3.4	0.5	9.9	2.1	1.5
Selected Rye % of Total	-	50		-	-	50	-	-	-
Other Rye % of Total	-	0.3		-	-	0.2	-	-	-
Flaxseed % of Total	3,726	3,159		3,757	1,452	2,152	2,209	2,992	1,865
Selected Flaxseed % of Total	18.8	16.0		13.6	17.5	7.8	10.9	15.4	9.6
Other Flaxseed % of Total	-	650		-	-	1,050	-	-	1,200
Selected Other Flaxseed % of Total	-	3.3		-	-	3.8	-	-	6.2
Rye % of Total	70	-		76	-	131	425	68	220
Other Rye % of Total	0.4	-		0.3	-	0.5	2.1	0.3	1.1
Flaxseed for Crushing % of Total	-	-		-	-	-	-	-	-
Low Erucic Acid Rape % of Total	-	-		-	-	-	-	-	-
Other Rapeseed % of Total	5	22		653	55	990	-	-	100
Misc. Crops % of Total	0.0	0.1		2.4	0.6	3.6	-	-	0.5
Summer Fallow % of Total	-	-		-	-	-	-	-	-
Subtotal % of Total	80	80		445	-	350	180	-	1,443
Perennial Forage % of Total	0.4	0.4		1.6	-	1.3	0.9	7.4	7.4
TOTAL IMPROVED ACRES % of Total	2,921	2,716		678	-	700	832	3,340	3,603
	14.8	13.8		2.5	-	2.5	4.1	17.2	18.6
	-	-		-	-	-	-	178	-
	-	-		-	-	-	-	0.9	-
	6,680	-		10,051	3,072	-	7,493	7,814	-
	33.8	-		36.5	37.0	-	37.0	40.1	-
	18,706	19,728		25,542	8,252	27,550	18,269	18,237	19,404
	94.6	100.0		92.7	99.4	100.0	90.1	93.6	100.0
	1,067	-		2,008	47	-	2,008	1,255	-
	5.4	-		7.3	0.6	-	9.9	6.4	-
	19,773	19,728		27,550	8,299	27,550	20,277	19,492	19,404
	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Hamlets (continued)											
	38 Phippen			39 Marriott			40 Anglia			41 Revenue		
	Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres	
Hercules Durum	-	-		370	345		277	250		463	433	
% of Total	-	-		1.3	1.2		1.9	1.7		1.5	1.4	
Other Durum	-	130		373	465		290	1,613		100	90	
% of Total	-	0.5		1.3	1.6		1.9	10.9		0.3	0.3	
All Other Wheat	4,477	15,263		7,399	20,511		3,010	8,492		11,033	22,785	
% of Total	18.8	64.2		25.5	72.2		20.2	57.6		36.7	75.8	
Oats	1,896	712		888	142		267	120		1,353	113	
% of Total	7.9	3.0		3.1	0.5		1.8	0.8		4.5	0.4	
Selected Oats	-	600		-	300		-	-		-	570	
% of Total	-	2.5		-	1.0		-	-		-	1.9	
Barley	3,730	1,915		3,638	1,938		1,754	697		3,696	1,113	
% of Total	15.6	8.1		12.6	6.8		11.8	4.7		12.3	3.7	
Selected Barley	-	2,200		-	1,750		-	900		-	2,150	
% of Total	-	9.3		-	6.2		-	6.1		-	7.1	
Rye	-	-		361	335		544	460		-	150	
% of Total	-	-		1.2	1.2		3.6	3.1		-	0.8	
Other Rye	-	-		-	-		-	-		-	-	
% of Total	-	-		-	-		-	-		-	-	
Flaxseed	60	40		485	945		1,348	2,099		891	675	
% of Total	0.3	0.2		1.7	3.3		9.0	14.3		2.9	2.2	
Flaxseed for Crushing	-	-		-	-		-	-		-	-	
% of Total	-	-		-	-		-	-		-	-	
Low Erucic Acid Rape	420	420		230	170		-	-		445	445	
% of Total	1.8	1.8		0.8	0.6		-	-		1.5	1.5	
Other Rapeseed	2,847	2,480		1,834	1,524		115	115		2,395	1,738	
% of Total	11.9	10.4		6.4	5.4		0.8	0.8		8.0	5.7	
Misc. Crops	50	-		140	-		200	-		60	-	
% of Total	0.2	-		0.5	-		1.3	-		0.2	-	
Summer Fallow	8,894	-		10,742	-		5,686	-		9,105	-	
% of Total	37.3	-		37.2	-		38.2	-		30.3	-	
Subtotal	22,374	23,760		26,460	28,425		13,491	14,746		29,541	30,079	
% of Total	93.8	100.0		91.6	100.0		90.5	100.0		98.2	100.0	
Perennial Forage	1,470	-		2,421	-		1,409	-		538	-	
% of Total	6.2	-		8.4	-		9.5	-		1.8	-	
TOTAL IMPROVED ACRES	23,844	23,760		28,881	28,425		14,900	14,746		30,079	30,079	
% of Total	100.0	100.0		100.0	100.0		100.0	100.0		100.0	100.0	

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	43 Grandora			44 Druid			Hamlets (continued)			46 Kelfield			47 Duperow		
	Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres	
Hercules Durum % of Total	225 1.4	225 1.4		410 1.5	385 1.4		130 0.6	130 0.6		70 0.2	70 0.2		240 0.7	240 0.8	
Other Durum % of Total	-	20 0.1		240 0.9	790 2.9		180 0.8	470 1.7		390 1.3	1,024 3.5		220 0.7	517 1.6	
All Other Wheat % of Total	3,876 23.6	9,889 62.7		8,797 31.9	21,460 77.9		7,174 31.2	17,202 76.4		8,033 27.0	23,248 79.1		6,841 21.1	22,864 71.6	
Oats % of Total	2,068 12.6	1,166 7.4		400 1.4	-		852 3.7	245 1.1		1,997 6.7	215 0.7		2,615 8.1	1,293 4.1	
Selected Oats % of Total	-	-		-	50 0.2		-	75 0.3		-	150 0.5		-	-	
Barley % of Total	2,013 12.2	1,943 12.3		2,551 9.3	110 0.4		2,319 10.1	1,050 4.7		3,270 11.0	1,245 4.2		3,967 12.2	2,439 7.6	
Selected Barley % of Total	-	400 2.5		-	1,750 6.4		-	900 4.0		-	1,650 5.6		-	1,000 3.1	
Rye % of Total	1,121 6.8	1,552 9.9		100 0.4	80 0.3		820 3.5	670 3.0		45 0.2	85 0.3		1,025 3.2	1,029 3.2	
Other Rye % of Total	-	-		-	-		-	80 0.4		-	-		-	-	
Flaxseed % of Total	50 0.3	50 0.3		2,120 7.7	2,105 7.6		833 3.6	1,117 4.9		261 0.9	563 1.9		310 0.9	425 1.3	
Flaxseed for Crushing % of Total	-	-		-	-		-	-		-	-		-	-	
Low Erucic Acid Rape % of Total	-	-		-	400 1.4		-	-		-	-		-	-	
Other Rapeseed % of Total	585 3.5	535 3.4		470 1.7	415 1.5		-	570 2.5		478 1.6	435 1.5		585 1.8	585 1.8	
Misc. Crops % of Total	100 0.6	-		210 0.8	-		2.5	-		851 2.9	795 2.7		1,508 4.7	1,568 4.9	
Summer Fallow % of Total	4,049 24.6	-		11,615 42.2	-		-	-		976 3.3	-		150 0.5	-	
Subtotal % of Total	14,087 85.6	15,780 100.0		27,398 99.5	27,545 100.0		7,171 31.2	22,509 100.0		10,857 36.5	-		11,047 34.1	-	
Perennial Forage % of Total	2,368 14.4	-		147 0.5	-		20,059 87.2	22,509 100.0		27,228 91.6	29,410 100.0		28,508 88.0	31,960 100.0	
TOTAL IMPROVED ACRES % of Total	16,455 100.0	15,780 100.0		27,545 100.0	27,545 100.0		22,997 100.0	22,509 100.0		29,731 100.0	29,410 100.0		32,380 100.0	31,960 100.0	

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Hamlets (continued)													
	48 Struan			49 Laura			50 Rockhaven			51 Kinley			52 Broadacres	
	Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres
Hercules Durum	-	-	470	470	470	65	65	50	535	1,887	65	65	1,887	65
% of Total	-	-	1.4	1.4	1.5	0.1	0.1	0.1	1.0	3.7	0.2	0.2	3.7	0.2
Other Durum	-	618	30	30	714	-	-	1,578	525	1,487	15	15	1,487	465
% of Total	-	1.6	0.1	0.1	2.2	-	-	1.5	1.0	2.9	0.1	0.1	2.9	1.4
All Other Wheat	12,183	29,806	5,928	5,928	21,728	19,512	19,512	59,622	10,306	31,398	10,887	10,887	31,398	26,051
% of Total	32.1	78.6	18.0	18.0	67.5	18.7	18.7	57.3	19.9	61.5	33.7	33.7	61.5	80.7
Oats	2,028	424	1,437	1,437	417	5,598	5,598	2,018	2,213	545	1,906	1,906	545	782
% of Total	5.3	1.1	4.4	4.4	1.3	5.4	5.4	1.9	4.3	1.1	5.9	5.9	1.1	2.4
Selected Oats	-	250	-	-	300	-	-	1,790	-	958	-	-	958	100
% of Total	-	0.6	-	-	0.9	-	-	1.7	-	1.9	-	-	1.9	0.3
Barley	4,655	1,812	4,188	4,188	2,660	15,410	15,410	12,541	4,955	2,604	4,176	4,176	2,604	2,303
% of Total	12.2	4.8	12.8	12.8	8.3	14.8	14.8	12.0	9.5	5.1	12.9	12.9	5.1	7.1
Selected Barley	-	2,700	-	-	1,300	-	-	5,320	-	2,000	-	-	2,000	1,700
% of Total	-	7.1	-	-	4.0	-	-	5.1	-	3.9	-	-	3.9	5.3
Rye	1,438	1,175	1,119	1,119	1,233	1,168	1,168	1,440	2,998	3,146	-	-	3,146	-
% of Total	3.8	3.1	3.4	3.4	3.8	1.1	1.1	1.4	5.8	6.1	-	-	6.1	-
Other Rye	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flaxseed	110	110	553	553	908	50	50	92	1,040	1,743	164	164	1,743	290
% of Total	0.3	0.3	1.7	1.7	2.8	0.1	0.1	0.1	2.0	3.4	0.5	0.5	3.4	0.9
Flaxseed for Crushing	-	-	-	-	50	-	-	-	-	-	-	-	-	-
% of Total	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-
Low Erucic Acid Rape	145	145	690	690	690	1,445	1,445	1,514	3,360	3,022	285	285	3,022	285
% of Total	0.4	0.4	2.1	2.1	2.1	1.4	1.4	1.5	6.5	5.9	0.9	0.9	5.9	0.9
Other Rapeseed	867	892	2,009	2,009	1,738	16,234	16,234	18,158	2,466	2,274	295	295	2,274	250
% of Total	2.3	2.4	6.1	6.1	5.4	15.5	15.5	17.4	4.8	4.5	0.9	0.9	4.5	0.8
Misc. Crops	-	-	30	30	-	778	778	-	23	-	50	50	-	-
% of Total	-	-	0.1	0.1	-	0.7	0.7	-	0.0	-	0.1	0.1	-	-
Summer Fallow	14,506	-	12,759	12,759	-	41,250	41,250	-	19,217	-	13,682	13,682	-	-
% of Total	38.2	-	38.9	38.9	-	39.5	39.5	-	37.0	-	42.4	42.4	-	-
Subtotal	35,932	37,932	29,213	29,213	32,208	101,510	101,510	104,123	47,638	51,064	31,525	31,525	51,064	32,291
% of Total	94.6	100.0	89.0	89.0	100.0	97.3	97.3	100.0	91.8	100.0	97.6	97.6	100.0	100.0
Perennial Forage	2,061	-	3,607	3,607	-	2,813	2,813	-	4,247	-	772	772	-	-
% of Total	5.4	-	11.0	11.0	-	2.7	2.7	-	8.2	-	2.4	2.4	-	-
TOTAL IMPROVED ACRES	37,993	37,932	32,820	32,820	32,208	104,323	104,323	104,123	51,885	51,064	32,297	32,297	51,064	32,291
% of Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Hamlets (concluded)			Villages							
	53 Springwater			54 Leipzig		55 Ruthilda		56 Stranraer		57 Tessier	
	Seeded & Summer Acreage	Quota Acres		Seeded & Summer Acreage	Quota Acres	Seeded & Summer Acreage	Quota Acres	Seeded & Summer Acreage	Quota Acres	Seeded & Summer Acreage	Quota Acres
Hercules Durum	111	75		445	360	609	609	1,081	1,026	68	68
% of Total	0.3	0.2		1.1	0.9	1.6	1.7	2.8	2.7	0.2	0.2
Other Durum	1,060	988		140	345	40	290	382	1,831	235	1,145
% of Total	2.8	2.6		0.4	0.9	0.1	0.8	1.0	4.7	0.7	3.5
All Other Wheat	9,941	30,226		11,346	29,784	10,966	28,641	10,944	26,548	8,469	24,057
% of Total	26.0	79.5		28.4	74.6	29.1	78.9	28.5	69.1	24.8	72.8
Oats	2,474	120		2,048	650	1,473	640	835	100	1,105	246
% of Total	6.5	0.3		5.1	1.6	3.9	1.8	2.2	0.3	3.2	0.7
Selected Oats	-	250		-	660	-	150	-	100	-	522
% of Total	-	0.7		-	1.7	-	0.4	-	0.3	-	1.6
Barley	3,860	2,060		6,671	2,768	5,204	2,657	6,831	2,912	3,495	1,981
% of Total	10.1	5.4		16.7	6.9	13.8	7.3	17.8	7.6	10.2	6.0
Selected Barley	-	1,500		-	2,900	-	1,850	-	3,100	-	1,250
% of Total	-	3.9		-	7.3	-	5.1	-	8.1	-	3.8
Rye	1,333	1,485		703	250	598	605	373	290	2,004	2,618
% of Total	3.5	3.9		1.8	0.6	1.6	1.7	0.9	0.7	5.9	7.9
Other Rye	-	-		-	100	-	-	-	-	-	-
% of Total	-	-		-	0.3	-	-	-	-	-	-
Flaxseed	530	610		-	55	645	716	2,760	2,439	10	290
% of Total	1.4	1.6		-	0.1	1.7	1.9	7.2	6.3	0.0	0.9
Flaxseed for Crushing	-	-		-	-	-	-	-	-	-	-
% of Total	-	-		-	-	-	-	-	-	-	-
Low Erucic Acid Rape	645	425		805	805	160	160	40	40	269	269
% of Total	1.7	1.1		2.0	2.0	0.4	0.4	0.1	0.1	0.8	0.8
Other Rapeseed	495	295		1,374	1,230	-	-	25	25	790	610
% of Total	1.3	0.8		3.4	3.1	-	-	0.1	0.1	2.3	1.8
Misc. Crops	-	-		1,735	-	-	-	-	-	144	-
% of Total	-	-		4.3	-	-	-	-	-	0.4	-
Summer Fallow	14,909	-		13,771	-	13,019	-	14,669	-	11,933	-
% of Total	39.1	-		34.5	-	34.6	-	38.2	-	34.9	-
Subtotal	35,358	38,034		39,038	39,907	32,714	36,318	37,940	38,411	28,522	33,056
% of Total	92.7	100.0		97.7	100.0	86.8	100.0	98.8	100.0	83.4	100.0
Perennial Forage	2,804	-		929	-	4,966	-	471	-	5,683	-
% of Total	7.3	-		2.3	-	13.2	-	1.2	-	16.6	-
TOTAL IMPROVED ACRES	38,162	38,034		39,967	39,907	37,680	36,318	38,411	38,411	34,205	33,056
% of Total	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Villages (continued)											
	58 Arelee			59 Handel			60 Zealandia			61 Cando		
	Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres	
Hercules Durum % of Total	285 0.6	270 0.6		204 0.5	135 0.3		995 1.4	1,065 1.5		-	-	-
Other Durum % of Total	-	1,122 2.3		190 0.4	785 1.7		708 1.0	4,267 5.9		-	250 0.5	-
All Other Wheat % of Total	12,051 24.9	33,687 69.6		11,366 25.1	35,030 77.6		12,558 17.4	44,607 61.9		15,448 30.1	36,678 73.0	29,237 75.6
Oats % of Total	2,542 5.2	238 0.5		3,150 6.9	855 1.9		2,808 3.9	420 0.6		4,166 8.1	1,503 3.0	632 1.6
Selected Oats % of Total	-	550 1.1		-	1,160 2.6		-	1,639 2.3		-	300 0.6	50 0.1
Barley % of Total	5,958 12.3	2,635 5.4		6,133 13.5	1,865 4.1		8,382 11.6	3,632 5.1		9,544 18.6	7,096 14.1	5,981 15.5
Selected Barley % of Total	-	2,250 4.6		-	2,600 5.8		-	3,900 5.4		-	2,250 4.5	200 0.5
Rye % of Total	502 1.0	615 1.3		330 0.7	130 0.3		2,719 3.8	2,287 3.2		520 1.0	485 1.0	398 1.0
Other Rye % of Total	-	-		-	-		-	-		-	-	-
Flaxseed % of Total	155 0.3	590 1.2		190 0.4	665 1.5		3,794 5.2	5,274 7.3		-	-	290 0.8
Flaxseed for Crushing % of Total	-	-		-	-		-	-		-	-	-
Low Erucic Acid Rape % of Total	2,965 6.1	2,840 5.9		265 0.6	225 0.5		90 0.1	90 0.1		-	-	120 0.3
Other Rapeseed % of Total	3,852 8.0	3,642 7.5		2,313 5.1	1,675 3.7		5,360 7.4	4,834 6.7		1,740 3.4	1,655 3.3	1,250 3.3
Misc. Crops % of Total	-	-		415 0.9	-		1,640 2.3	-		940 1.9	-	-
Summer Fallow % of Total	19,076 39.4	-		18,362 40.5	-		29,938 41.4	-		16,024 31.3	-	-
Subtotal % of Total	47,386 97.8	48,439 100.0		42,918 94.6	45,125 100.0		68,992 95.5	72,015 100.0		48,442 94.5	50,217 100.0	38,673 100.0
Perennial Forage % of Total	1,058 2.2	-		2,441 5.4	-		3,263 4.5	-		2,831 5.5	-	-
TOTAL IMPROVED ACRES % of Total	48,444 100.0	48,439 100.0		45,359 100.0	45,125 100.0		72,255 100.0	72,015 100.0		51,273 100.0	50,217 100.0	38,986 100.0

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Villages (continued)											
	63 Herschel			64 Scott			65 Tramping Lake			66 Asquith		
	Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres		Seeded & Summer Fallow Acreage	Quota Acres	
Hercules Durum	1,799	1,714	-	-	-	-	-	-	-	545	545	860
% of Total	1.7	1.6	-	-	-	-	-	-	-	0.6	0.6	1.2
Other Durum	2,620	4,552	-	190	480	-	60	385	-	100	1,766	3,334
% of Total	2.5	4.4	-	0.4	1.1	-	0.1	0.6	-	0.1	2.0	4.7
All Other Wheat	26,955	73,562	-	11,675	30,899	-	25,968	54,708	-	12,766	56,019	49,148
% of Total	25.8	70.6	-	26.1	69.0	-	39.1	82.4	-	14.1	62.6	69.0
Oats	2,573	320	-	1,931	565	-	2,218	310	-	8,482	2,357	388
% of Total	2.5	0.3	-	4.3	1.3	-	3.3	0.5	-	9.3	2.6	0.5
Selected Oats	-	435	-	-	490	-	-	360	-	-	1,500	150
% of Total	-	0.4	-	-	1.1	-	-	0.6	-	-	1.7	0.2
Barley	15,184	8,587	-	6,276	3,518	-	8,338	1,760	-	8,964	6,290	3,040
% of Total	14.6	8.2	-	14.0	7.8	-	12.5	2.7	-	9.9	7.0	4.3
Selected Barley	-	4,960	-	-	2,300	-	-	4,800	-	-	2,160	4,800
% of Total	-	4.8	-	-	5.1	-	-	7.2	-	-	2.4	6.7
Rye	1,803	1,695	-	50	-	-	325	275	-	4,919	5,328	420
% of Total	1.7	1.6	-	0.1	-	-	0.5	0.4	-	5.4	6.0	0.6
Other Rye	-	-	-	-	-	-	-	-	-	-	-	-
Flaxseed	6,424	6,704	-	357	390	-	1,529	1,680	-	430	1,300	5,488
% of Total	6.2	6.4	-	0.8	0.8	-	2.3	2.5	-	0.5	1.5	7.7
Flaxseed for Crushing	-	30	-	-	-	-	-	-	-	-	-	-
% of Total	-	0.1	-	-	-	-	-	-	-	-	-	-
Low Erucic Acid Rape	1,115	925	-	383	383	-	583	563	-	6,027	5,932	570
% of Total	1.1	0.9	-	0.9	0.9	-	0.9	0.8	-	6.6	6.6	0.8
Other Rapeseed	840	720	-	6,023	5,767	-	1,978	1,553	-	6,850	6,290	3,039
% of Total	0.8	0.7	-	13.4	12.9	-	3.0	2.3	-	7.6	7.0	4.3
Misc. Crops	1,005	-	-	5	-	-	840	-	-	-	-	-
% of Total	1.0	-	-	0.1	-	-	1.3	-	-	-	-	-
Summer Fallow	41,324	-	-	16,002	-	-	23,193	-	-	33,063	-	-
% of Total	39.6	-	-	35.7	-	-	34.9	-	-	36.4	-	-
Subtotal	101,642	104,204	-	42,892	44,792	-	65,032	66,394	-	82,146	89,487	71,237
% of Total	97.5	100.0	-	95.8	100.0	-	97.9	100.0	-	90.5	100.0	100.0
Perennial Forage	2,562	-	-	1,900	-	-	1,382	-	-	8,576	-	-
% of Total	2.5	-	-	4.2	-	-	2.1	-	-	9.5	-	-
TOTAL IMPROVED ACRES	104,204	104,204	-	44,792	44,792	-	66,414	66,394	-	90,722	89,487	71,237
% of Total	100.0	100.0	-	100.0	100.0	-	100.0	100.0	-	100.0	100.0	100.0

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (continued)

	Villages (concluded)			69 Landis			70 Perdue			71 Battleford			72 Delisle		
	Seeded & Summer Acreage	Fallow Acreage	Quota Acres	Seeded & Summer Acreage	Fallow Acreage	Quota Acres	Seeded & Summer Acreage	Fallow Acreage	Quota Acres	Seeded & Summer Acreage	Fallow Acreage	Quota Acres	Seeded & Summer Acreage	Fallow Acreage	Quota Acres
Hercules Durum	1,160	-	1,110	1,414	-	1,199	95	-	95	160	-	160	205	-	205
% of Total	1.5	-	1.5	1.2	-	1.0	0.2	-	0.2	0.2	-	0.2	0.3	-	0.3
Other Durum	1,285	-	2,478	1,078	-	3,255	309	-	1,690	-	-	1,50	310	-	1,791
% of Total	1.7	-	3.3	0.9	-	2.8	0.5	-	2.9	-	-	0.2	0.5	-	2.8
All Other Wheat	17,414	-	52,892	33,112	-	90,690	12,483	-	40,358	16,130	-	47,323	15,559	-	43,130
% of Total	22.5	-	69.9	28.0	-	77.0	21.6	-	70.2	21.1	-	63.5	24.1	-	68.1
Oats	3,165	-	970	6,100	-	905	2,475	-	488	5,330	-	1,220	2,841	-	1,183
% of Total	4.1	-	1.3	5.2	-	0.8	4.3	-	0.8	7.0	-	1.6	4.4	-	1.9
Selected Oats	-	-	850	-	-	1,542	-	-	100	-	-	250	-	-	460
% of Total	-	-	1.1	-	-	1.3	-	-	0.2	-	-	0.3	-	-	0.7
Barley	9,372	-	4,191	16,176	-	5,485	6,963	-	3,149	11,223	-	9,864	7,040	-	3,823
% of Total	12.1	-	5.5	13.7	-	4.6	12.1	-	5.5	14.7	-	13.2	10.9	-	6.0
Selected Barley	-	-	4,700	-	-	7,950	-	-	2,550	-	-	2,600	-	-	2,900
% of Total	-	-	6.2	-	-	6.7	-	-	4.4	-	-	3.5	-	-	4.6
Rye	2,757	-	3,603	646	-	477	2,582	-	2,523	2,705	-	3,419	1,554	-	1,920
% of Total	3.6	-	4.8	0.5	-	0.4	4.5	-	4.4	3.5	-	4.6	2.4	-	3.0
Other Rye	-	-	-	-	-	80	-	-	-	-	-	-	-	-	30
% of Total	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	0.1
Flaxseed	835	-	1,650	1,223	-	1,482	1,108	-	1,640	265	-	170	1,441	-	1,672
% of Total	1.1	-	2.2	1.0	-	1.3	1.9	-	2.9	0.3	-	0.2	2.3	-	2.7
Flaxseed for Crushing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	170
% of Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Low Erucic Acid Rape	1,180	-	1,090	1,832	-	1,742	2,275	-	2,275	1,144	-	1,396	400	-	380
% of Total	1.5	-	1.4	1.6	-	1.5	3.9	-	4.0	1.5	-	1.9	0.6	-	0.6
Other Rapeseed	2,434	-	2,112	3,764	-	2,990	2,968	-	2,600	6,804	-	8,013	5,761	-	5,639
% of Total	3.1	-	2.8	3.2	-	2.5	5.1	-	4.5	8.9	-	10.8	8.9	-	8.9
Misc. Crops	400	-	-	1,335	-	-	23	-	-	86	-	-	259	-	-
% of Total	0.5	-	-	1.1	-	-	0.1	-	-	0.1	-	-	0.4	-	-
Summer Fallow	28,890	-	-	45,027	-	-	23,103	-	-	25,749	-	-	23,490	-	-
% of Total	37.3	-	-	38.0	-	-	40.0	-	-	33.7	-	-	36.4	-	-
Subtotal	68,892	-	75,646	111,707	-	117,797	54,384	-	57,468	69,596	-	74,565	58,860	-	63,303
% of Total	89.0	-	100.0	94.4	-	100.0	94.2	-	100.0	91.0	-	100.0	91.2	-	100.0
Perennial Forage	8,550	-	-	6,649	-	-	3,374	-	-	6,904	-	-	5,695	-	-
% of Total	11.0	-	-	5.6	-	-	5.8	-	-	9.0	-	-	8.8	-	-
TOTAL IMPROVED ACRES	77,442	-	75,646	118,356	-	117,797	57,758	-	57,468	76,500	-	74,565	64,555	-	63,303
% of Total	100.0	-	100.0	100.0	-	100.0	100.0	-	100.0	100.0	-	100.0	100.0	-	100.0

(continued)

TABLE 3.9 SEEDED AND QUOTA ACRES BY DELIVERY POINT, 1971-72 (concluded)

	Greater Towns			74 Biggar			Study Area Total			Saskatchewan Total		
	73 Wilkie	Seeded & Summer Fallow	Quota Acres	Seeded & Summer Fallow	Quota Acres	Seeded & Summer Fallow	Seeded & Summer Fallow	Quota Acres	Seeded & Summer Fallow	Seeded & Summer Fallow	Quota Acres	Seeded & Summer Fallow
Hercules Durum	-	-	-	555	545	15,450	16,345	590,476	622,939	590,476	1.3	1.3
% of Total	-	-	-	0.3	0.3	0.6	0.7	1.3	1.3	1.3	3,067,045	3,067,045
Other Durum	80	-	520	545	2,644	16,457	51,625	3,067,045	1,286,793	3,067,045	6.6	6.6
% of Total	0.1	-	0.5	0.3	1.4	0.7	2.2	6.6	2.8	6.6	30,679,714	30,679,714
All Other Wheat	20,613	-	66,070	54,979	147,191	599,324	1,670,442	66.3	11,722,928	66.3	721,011	721,011
% of Total	19.5	-	62.6	28.2	76.8	25.0	70.6	25.0	25.0	25.0	2,256,816	2,256,816
Oats	6,906	-	1,637	13,048	4,863	128,413	35,280	1.6	2,256,816	1.6	199,139	199,139
% of Total	6.5	-	1.6	6.7	2.5	5.4	1.5	4.8	4.8	4.8	4,516,871	4,516,871
Selected Oats	-	-	895	-	971	-	21,567	0.4	-	-	1,687,420	1,687,420
% of Total	-	-	0.8	-	0.5	-	0.9	0.4	-	-	518,274	518,274
Barley	20,540	-	16,860	22,717	16,715	314,900	185,942	3.6	5,911,806	3.6	41,442	41,442
% of Total	19.4	-	16.0	11.7	8.7	13.2	7.9	3.6	12.6	3.6	999,292	999,292
Selected Barley	-	-	7,150	-	6,000	-	116,190	1.1	-	1.1	29,883	29,883
% of Total	-	-	6.8	-	3.1	-	4.9	1.1	-	1.1	314,930	314,930
Rye	257	-	225	4,488	3,969	48,128	49,785	0.1	553,540	0.1	2,936,822	2,936,822
% of Total	0.2	-	0.2	2.3	2.1	2.0	320	0.1	1.2	0.1	46,904,521	46,904,521
Other Rye	-	-	-	-	-	-	-	-	-	-	100.0	100.0
% of Total	-	-	-	-	-	-	-	-	-	-	46,302,319	46,302,319
Flaxseed	-	-	-	1,336	1,625	40,163	50,914	2.2	943,274	2.2	46,302,319	46,302,319
% of Total	-	-	-	0.7	0.9	1.7	2.2	2.2	2.0	2.2	100.0	100.0
Flaxseed for Crushing	-	-	-	-	-	-	-	-	-	-	100.0	100.0
% of Total	-	-	-	-	-	-	-	-	-	-	100.0	100.0
Low Erucic Acid Rape	335	-	330	1,736	1,770	38,353	36,863	0.0	342,957	0.0	46,302,319	46,302,319
% of Total	0.3	-	0.3	0.9	0.9	1.6	1.5	0.0	0.7	0.0	100.0	100.0
Other Rapeseed	12,532	-	11,853	5,614	5,289	135,717	130,813	5.3	2,491,714	5.3	46,302,319	46,302,319
% of Total	11.8	-	11.2	2.9	2.8	5.7	5.5	5.3	5.3	5.3	100.0	100.0
Misc. Crops	619	-	-	1,497	-	17,038	-	-	329,088	-	46,302,319	46,302,319
% of Total	0.6	-	-	0.8	-	0.7	-	-	0.7	-	100.0	100.0
Summer Fallow	37,835	-	-	71,044	-	883,883	-	-	17,363,690	-	46,302,319	46,302,319
% of Total	35.7	-	-	36.5	-	37.0	-	-	37.0	-	100.0	100.0
Subtotal	99,717	-	105,540	177,559	191,582	2,237,826	2,366,436	6.6	43,825,545	6.6	46,302,319	46,302,319
% of Total	94.1	-	100.0	91.3	100.0	93.6	100.0	6.6	93.4	6.6	100.0	100.0
Perennial Forage	6,235	-	-	16,994	-	153,195	-	-	3,078,976	-	46,302,319	46,302,319
% of Total	5.9	-	-	8.7	-	6.4	-	-	6.6	-	100.0	100.0
TOTAL IMPROVED ACRES	105,952	-	105,540	194,553	191,582	2,391,021	2,366,436	100.0	46,904,521	100.0	46,302,319	46,302,319
% of Total	100.0	-	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: Canadian Wheat Board, Winnipeg.

Acres Devoted to Canadian Wheat Board Grains

An accepted division of crops separates wheat, durum wheat, oats and barley, the Wheat Board grains, from other cereals and oilseeds. Tables 3.10A and 3.10B indicate the degree to which farmers in the hinterland of each delivery point rely on the Wheat Board to market their crops. The two tables present a time series of Board grains in seeded acres for 1962-63 to 1970-71 and in quota acres for 1971-72. Percentages of seeded or quota acres to total specified or quota acres are also given.

The percentages of specified acres in Board grains from 1962-63 to 1969-70 were fairly uniform and averaged 52.9 percent for the study area. The range was from 42.0 percent to 57.0 percent (Table 3.10A).

As Table 3.10B shows, the acres of Board grains for 1970-71 dropped to 30.2 percent of total acres, reflecting the reduced number of acres of cropland in the area that year. In 1971-72, however, the percentages of seeded acres at individual delivery points were mostly in the 80's and 90's, averaging 88.6. These percentages were much higher than the corresponding figures for any previous year. It will be understood, though, that the data for quota acres in Table 3.10B is not fully comparable with the data for specified acres in Table 3.10A.

Delivery Point	1962-63 ^b		1963-64		1964-65		1965-66		1966-67		1967-68		1968-69		1969-70	
	acres	%	acres	%	acres	%	acres	%	acres	%	acres	%	acres	%	acres	%
<i>Too Small to Classify</i>																
1 Kinhop	*		*		*		Closed		*		Closed		*		*	
2 Brisbin	*		*		*		*		*		*		*		*	
3 Lindequist	*		*		*		*		*		*		*		*	
4 Ava	*		*		*		*		*		*		*		*	
5 Hawoods	8,356	50.6	8,690	54.6	6,915	51.0	3,930	49.5	3,974	52.6	3,387	51.8				
6 Wallisville	*		*		*		*		*		*		*		Closed	
7 Verulam	6,359	50.0	3,896	47.5	4,191	50.4	4,264	52.4	3,966	48.5	*		*		*	
8 Malmgren	*		*		Closed						*		*		*	
9 Dacer	5,921	56.0	*		*		*		*		*		*		*	
10 Vance	*		*		*		*		*		*		*		*	
11 St. Alphege	5,705	54.0	5,801	58.5	5,467	54.4	6,130	57.9	5,915	60.1	4,801	61.5	4,855	60.2	*	
12 Juniata	5,549	51.8	5,852	49.4	5,789	50.0	5,584	54.6	5,724	54.2	5,724	52.4	*		*	
13 Cathkin	5,098	54.7	5,710	58.1	5,431	56.4	4,507	54.8	5,164	59.5	4,665	57.4	3,845	53.5	3,841	50.6
14 Hood	8,080	48.8	5,700	50.0	6,055	52.2	4,156	49.1	4,510	51.3	4,695	51.0	4,325	50.8	4,525	49.5
15 Wolfe	4,362	57.3	4,706	59.6	5,190	59.0	5,051	59.2	4,215	61.8	4,733	59.9	3,452	57.4	3,241	55.4
16 Porter	5,934	54.8	7,981	59.1	8,041	61.8	6,050	58.4	5,882	64.9	4,044	64.1	3,304	59.7	3,917	54.9
17 Argo	7,306	43.4	8,339	44.9	7,174	44.8	5,890	42.7	6,200	45.6	6,230	45.7	6,552	47.9	2,695	35.6
18 Oban	7,422	58.7	6,695	59.1	6,275	56.2	6,425	56.8	6,849	59.6	5,726	55.5	5,837	54.7	4,916	48.9
19 Keppel	8,009	56.8	7,649	54.4	8,184	56.0	8,675	58.0	8,553	57.5	8,464	58.6	7,496	54.2	7,159	53.2
20 Salter	11,463	65.7	10,336	65.9	9,640	62.1	9,473	60.9	8,492	64.9	7,551	58.8	8,143	62.3	7,294	52.4
21 Cazalet	10,056	53.5	10,376	52.3	10,552	51.7	10,720	52.1	11,308	56.1	10,393	55.3	10,135	55.3	9,230	52.6
22 Catherwood	13,626	56.0	8,249	50.0	7,437	51.9	9,551	50.9	10,941	54.7	10,553	55.3	9,558	51.1	10,540	52.3
23 Reford	8,941	56.7	8,795	56.5	12,870	55.2	13,669	58.0	13,660	57.5	13,975	61.0	12,655	54.6	11,892	50.7
24 Cavell	10,123	49.8	11,320	51.9	9,369	59.5	10,130	61.9	9,539	60.5	9,943	60.7	9,368	56.7	8,444	55.5
25 Lenny	12,648	59.6	12,151	59.9	11,623	51.7	10,544	52.4	11,020	53.9	11,122	55.4	10,311	53.3	8,083	50.6
26 Lett	22,929	56.3	21,995	57.2	22,495	57.4	20,832	58.1	12,258	60.2	11,371	56.5	10,416	55.2	9,942	51.7
27 Ceepce	11,060	51.7	12,616	56.0	12,365	54.0	13,069	56.2	12,346	56.5	12,080	57.4	11,707	55.2	17,154	56.6
28 Downe	17,189	62.7	16,836	63.1	16,844	64.0	17,426	64.9	15,087	65.4	13,464	63.2	13,478	65.0	9,639	55.5
29 Ibstone	16,522	58.4	16,532	59.0	16,034	57.9	17,041	60.6	18,776	63.9	19,373	63.4	19,244	61.6	17,387	57.4
30 Cloan	15,944	49.3	15,631	47.8	15,336	47.3	15,234	48.2	13,961	49.7	13,735	48.6	13,620	48.2	12,231	46.2
31 Bents	16,832	60.6	15,825	58.2	15,938	58.2	15,963	60.4	15,409	61.2	14,473	62.5	13,766	61.3	12,810	57.2
32 Thackeray	15,763	49.8	16,612	55.0	15,507	53.1	16,852	55.3	16,603	57.1	17,449	56.5	14,927	52.4	12,069	50.9
33 Valley Centre	10,214	58.7	9,879	63.7	10,574	65.4	11,354	65.8	10,784	69.7	8,869	64.0	8,019	60.9	7,735	61.9
34 Traynor																
<i>Hamlets</i>																
35 Environ	12,561	58.4	13,922	57.8	14,891	55.7	15,473	56.3	16,563	62.0	14,470	55.0	14,650	56.3	12,169	52.6
36 Red Pheasant	4,352	60.6	3,446	60.4	3,447	59.8	3,802	64.0	4,516	66.3	4,396	67.7	*		*	
37 Prongua	17,218	56.2	19,149	57.9	20,286	61.9	21,696	63.6	22,135	64.3	17,721	62.4	14,150	59.4	10,679	48.7
38 Phippen	16,212	58.9	16,995	59.2	16,224	57.7	16,663	57.8	16,381	58.1	15,574	58.2	15,773	59.6	14,393	55.7
39 Warriott	23,360	49.7	25,397	53.6	25,443	54.6	23,081	53.3	23,060	55.8	21,950	55.7	21,272	54.5	20,153	50.6
40 Anglia	12,814	45.6	15,976	54.0	13,726	46.8	12,780	48.8	11,556	49.4	12,595	54.1	11,386	48.6	10,984	47.7
41 Revenue	19,699	57.3	20,310	56.8	20,156	56.0	20,439	56.2	20,226	55.0	19,984	55.3	19,929	54.6	18,480	52.6
42 Baljennie	10,536	55.2	11,504	58.2	11,765	60.4	11,082	59.3	12,818	61.7	12,916	60.6	11,754	57.4	10,352	50.4
43 Grandora	11,396	52.4	11,060	54.0	9,932	50.6	10,506	51.4	10,200	52.8	10,334	55.2	9,823	52.0	7,539	44.8
44 Druid	12,730	49.6	13,899	52.8	16,540	54.5	16,421	51.7	18,571	56.9	18,418	56.4	18,310	54.8	16,578	51.3

See footnotes at end of table

(continued)

TABLE 3.10A NUMBER AND PERCENT OF SPECIFIED ACRES DEVOTED TO CANADIAN WHEAT BOARD GRAINS^a, 1962-63 TO 1969-70 (concluded)

Delivery Point	1962-63 ^b		1963-64		1964-65		1965-66		1966-67		1967-68		1968-69		1969-70	
	acres	%	acres	%	acres	%	acres	%	acres	%	acres	%	acres	%	acres	%
45 Feudal	15,950	49.6	16,695	51.3	16,050	49.1	16,008	51.6	16,738	53.3	15,683	53.0	15,113	51.4	13,949	48.2
46 Kelfield	15,729	48.2	17,489	53.5	16,371	52.6	17,167	53.4	18,562	57.5	18,141	55.9	17,235	54.5	18,508	54.4
47 Duperow	20,147	51.1	22,528	54.4	20,669	54.8	19,836	55.8	17,687	55.5	17,232	55.1	16,828	53.0	16,343	49.2
48 Struan	22,354	57.2	21,665	56.4	23,422	59.6	21,156	58.0	22,281	61.2	21,621	59.0	20,781	56.5	16,235	52.9
49 Laura	22,587	54.2	23,253	54.8	22,755	52.6	23,296	55.1	21,668	54.3	22,059	55.8	20,044	52.4	17,570	45.2
50 Rockhaven	24,818	57.1	29,132	60.5	31,608	61.4	32,850	62.2	34,842	64.1	41,980	64.8	48,007	63.5	48,553	59.5
51 Kinley	29,900	50.8	30,117	50.3	32,164	51.4	29,596	50.1	29,346	53.0	28,396	54.5	26,992	50.9	24,253	46.4
52 Broadacres	16,304	55.1	17,133	54.6	18,908	57.8	17,120	53.9	18,715	57.8	18,833	57.3	19,747	56.7	16,526	51.2
53 Springwater	21,114	51.7	21,295	50.8	22,355	53.1	23,740	54.3	25,143	57.0	24,358	55.2	22,429	54.3	18,820	49.4
<i>Villages</i>																
54 Leipzig	21,668	54.3	21,993	56.2	21,782	55.6	21,262	55.6	22,427	58.2	22,817	59.8	21,904	56.9	21,856	56.5
55 Ruthilda	18,865	50.3	20,035	53.5	20,586	53.6	19,411	52.7	21,234	56.3	21,140	54.6	19,992	50.7	21,230	55.8
56 Stranraer	18,759	50.5	23,455	60.1	21,350	57.7	22,798	59.3	25,254	62.2	27,026	63.9	23,953	57.8	22,472	57.5
57 Tessier	17,631	46.7	18,444	49.3	17,132	46.8	16,657	45.9	17,820	48.0	17,164	46.5	14,800	40.8	14,219	41.6
58 Arelee	28,401	57.2	27,994	56.5	27,368	57.0	27,699	56.1	30,428	61.3	29,261	58.7	27,848	56.0	27,493	50.6
59 Handel	26,840	52.7	26,799	52.9	27,239	54.1	29,162	55.7	29,309	56.2	28,974	55.4	27,200	52.9	25,669	51.8
60 Zealandia	30,478	48.3	31,898	48.1	33,119	48.3	32,505	47.4	36,082	50.3	35,773	50.5	34,268	49.0	30,141	44.8
61 Cando	29,647	63.9	28,389	60.5	28,430	62.6	28,706	62.8	29,856	63.9	28,080	60.3	31,230	59.2	29,090	57.1
62 Sonningdale	15,670	58.1	16,459	57.8	17,134	57.2	19,955	58.4	20,440	58.7	20,459	57.0	21,119	56.9	20,439	52.0
63 Herschel	42,304	51.3	46,094	53.9	48,425	54.9	49,130	54.4	53,551	57.4	57,606	60.5	54,624	56.2	53,627	53.7
64 Scott	22,408	56.6	20,554	54.9	20,431	54.5	21,031	54.2	22,039	57.6	22,553	58.5	21,195	54.8	19,608	51.1
65 Tramping Lake	36,510	54.4	36,910	55.4	36,956	55.7	37,565	56.6	37,014	56.8	39,439	59.9	38,578	59.9	36,179	55.1
66 Asquith	24,346	52.2	27,693	50.9	30,855	52.4	30,947	48.5	33,337	52.1	35,754	51.3	41,125	48.2	39,353	45.8
67 Plenty	25,065	49.7	30,036	52.4	30,237	53.4	32,624	54.9	34,073	55.3	35,763	55.8	31,909	51.6	30,159	50.0
68 Harris	27,981	51.0	27,865	49.5	29,138	50.0	29,703	48.2	31,597	49.0	32,356	49.4	30,873	46.2	28,809	42.9
<i>Towns</i>																
69 Landis	43,430	55.7	45,355	56.0	47,730	57.7	47,953	58.5	53,577	61.8	53,804	59.6	52,542	56.9	53,286	53.9
70 Perdue	20,024	52.9	19,782	52.1	21,376	53.8	20,991	51.4	23,869	55.3	25,674	54.0	25,294	52.5	24,424	48.1
71 Battleford	16,420	54.1	21,472	55.3	20,377	57.2	24,514	57.4	23,594	58.9	26,174	52.6	30,164	53.7	27,836	49.7
72 Delisle	40,021	52.1	41,784	53.8	39,618	52.1	37,885	51.2	42,415	55.8	38,636	54.6	35,575	53.0	29,664	46.9
<i>Greater Towns</i>																
73 Wilkie	42,926	59.9	45,926	58.8	44,967	58.1	49,022	62.1	53,041	61.2	54,690	61.3	56,357	60.5	59,594	56.8
74 Biggar	79,213	56.1	84,318	56.6	89,098	56.5	91,736	55.4	101,598	58.3	103,625	58.0	101,258	55.7	99,759	50.7
Study Area Total	1,237,441	53.9	1,286,592	54.9	1,297,365	55.0	1,306,910	55.2	1,366,228	50.4	1,360,053	57.0	1,310,354	54.8	1,223,251	42.0

* Storage only.

^aWheat Board Grains are: wheat, durum, oats and barley.

^bDurum excluded from Wheat Board Grains in 1962-63.

Source: Canadian Wheat Board, Winnipeg.

TABLE 3.10B NUMBER AND PERCENT OF QUOTA ACRES DEVOTED TO CANADIAN WHEAT BOARD GRAINS, 1970-71 AND 1971-72

Delivery Point	1970-71 ^a		1971-72 ^b	
	Seeded Acres ^c	Percent ^d	Assigned Quota Acres ^e	% of Total Quota Acres
<i>Too Small to Classify</i>				
1 Kinhop	Closed			
2 Brisbin	Closed			
3 Lindequist	Closed			
4 Ava	Closed			
5 Hawoods	Storage only		Closed	
6 Wallisville	Closed			
7 Verulam	Closed			
8 Malmgren	Closed			
9 Dacer	Closed			
10 Vance	Closed			
11 St. Alphege	Storage only		Closed	
12 Juniata	Storage only		Closed	
13 Cathkin	1,971	29.3	Closed	
14 Hood	Storage only		Closed	
15 Wolfe	2,624	42.3	Closed	
16 Porter	Storage only		Closed	
17 Argo	1,664	22.8	6,877	89.8
18 Oban	4,038	42.2	9,786	94.5
19 Keppel	2,562	27.3	9,599	95.8
20 Salter	4,126	31.3	11,837	96.1
21 Cazalet	4,386	25.8	17,691	93.2
22 Catherwood	3,257	19.5	15,300	86.3
23 Reford	5,982	28.1	26,106	85.2
24 Cavell	4,658	32.2	13,054	87.1
25 Leney	3,153	19.4	15,146	82.8
26 Lett	5,961	35.5	16,034	94.0
27 Ceepee	9,625	35.2	24,342	91.9
28 Downe	5,725	28.7	20,548	91.6
29 Ibstone	4,898	45.0	13,569	94.5
30 Cloan	7,790	35.2	20,457	80.6
31 Bents	4,238	20.0	18,473	87.1
32 Thackeray	6,418	33.4	16,910	85.7
33 Valley Centre	7,824	29.4	25,379	92.1
34 Traynor	4,065	40.0	8,206	98.9
<i>Hamlets</i>				
35 Environ	7,252	35.2	18,068	91.5
36 Red Pheasant	Storage only		Closed	
37 Prongua	5,011	30.3	14,038	72.3

See footnotes at end of table

(continued)

TABLE 3.10B NUMBER AND PERCENT OF QUOTA ACRES DEVOTED TO CANADIAN WHEAT BOARD GRAINS, 1970-71 AND 1971-72 (continued)

Delivery Point	1970-71 ^a		1971-72 ^b	
	Seeded Acres ^c	Percent ^d	Assigned Quota Acres ^e	% of Total Quota Acres
38 Phippen	7,135	32.5	20,820	87.6
39 Marriott	6,335	26.2	25,451	89.5
40 Anglia	6,008	29.5	12,072	81.9
41 Revenue	5,296	15.7	27,254	90.6
42 Baljennie	6,584	32.9	17,124	86.6
43 Grandora	4,690	28.4	13,643	86.5
44 Druid	6,269	24.0	24,545	89.1
45 Feudal	3,876	16.6	20,072	89.2
46 Kelfield	9,263	32.3	27,532	93.6
47 Duperow	9,941	31.5	28,353	88.7
48 Struan	11,005	33.8	35,610	93.9
49 Laura	7,566	23.5	27,589	85.7
50 Rockhaven	31,053	39.7	82,919	79.6
51 Kinley	8,623	19.4	40,879	80.1
52 Broadacres	12,328	40.9	31,466	97.4
53 Springwater	13,874	36.5	35,219	92.6
<i>Villages</i>				
54 Leipzig	11,528	28.8	37,467	93.9
55 Ruthilda	11,379	31.3	34,837	95.9
56 Stranraer	11,169	31.6	35,617	92.7
57 Tessier	8,852	25.7	29,269	88.5
58 Arelee	15,717	30.4	40,752	84.1
59 Handel	15,398	33.7	42,430	94.0
60 Zealandia	16,755	27.7	59,530	82.7
61 Cando	17,884	35.1	48,077	95.7
62 Sonningdale	11,957	32.7	36,615	94.7
63 Herschel	28,209	31.7	94,130	90.3
64 Scott	9,132	26.6	38,252	85.4
65 Tramping Lake	17,038	26.9	62,323	93.9
66 Asquith	23,664	29.5	70,637	78.9
67 Plenty	14,547	24.1	61,720	86.6
68 Harris	18,247	27.3	67,191	88.8
<i>Towns</i>				
69 Landis	29,955	31.6	111,026	94.3
70 Perdue	13,981	26.6	48,430	84.3
71 Battleford	20,174	31.3	61,567	82.6
72 Delisle	17,141	29.7	53,492	84.5

See footnotes at end of table

(continued)

TABLE 3.10B NUMBER AND PERCENT OF QUOTA ACRES DEVOTED TO CANADIAN WHEAT BOARD GRAINS, 1970-71 AND 1971-72 (concluded)

Delivery Point	1970-71 ^a		1971-72 ^b	
	Seeded Acres ^c	Percent ^d	Assigned Quota Acres ^e	% of Total Quota Acres
<i>Greater Towns</i>				
73 Wilkie	35,063	36.0	93,132	88.2
74 Biggar	58,638	30.4	178,929	93.4
Study Area Total	663,502	30.2	2,097,391	88.6

^aCalculated from Table 2.7.

^bCalculated from Table 3.9.

^cAcres seeded to CWB grains of wheat, durum, oats and barley.

^dCWB grains acreage as a percent of total acres devoted to CWB grains plus rye, summer fallow and forage crops (i.e., same composition as "specified acres" in previous years).

^eQuota acres assigned to CWB grains of wheat, durum, oats and barley.

Quotas Required to Fill Elevator Storage Capacity

Table 3.11 covers the relationship between storage capacity and quota acres at delivery points for the 1969-70 and 1971-72 crop years. For 1969-70, the quota acreage is simply the specified acreage; for 1971-72, the quota acreage is the assigned acreage as explained in the commentary for Table 3.8. The ratio of bushel capacity to quota acres represents the number of quotas in bushels per acre that are required to fill the storage at an empty delivery point. As quota acres increase relative to storage capacity, there is a corresponding decrease in the number of quotas needed to fill the elevators and vice versa. The lower the ratio, the greater is the demand for space at a delivery point.

There does not appear to be any correlation between size of community and ratio, nor is there any significant change in ratios between 1969-70 and 1971-72. In 1969-70, the ratio varied from a low of 1.4 at Lett to a high of 8.0 at Anglia. In 1971-72, the range was from 1.6 at Lett to 12.5 at Anglia. The average number of general quotas required to fill storage capacity in the study area was 4.6 in 1969-70. The median number was 4.4 in 1969-70 and 4.7 in 1971-72. Thus, assuming zero inventory and no outward shipments, about half of the delivery points could accommodate a 4.7-bushel general quota in 1971-72 and about half could not. For example, Ruthilda would be able to hold just over half of a 4.7-bushel quota. To the extent that the Wheat Board seeks to equalize quota levels among producers, delivery points with a low capacity-to-quota acres ratio will, correspondingly, maintain a higher throughput ratio¹ than points that have a high capacity-to-quota acres ratio.

Table 3.11 also gives the approximate number of boxcars required at each delivery point to transport a one-bushel quota. Since the number of cars needed to move a one-bushel quota depends directly on the number of quota acres, which are usually proportionate to the size of a community, it follows that the required number of boxcars generally increases with the size of the delivery point. In 1969-70, the range was from 3 boxcars at Wolfe to 99 at Biggar. Altogether, 1,200 boxcars were needed to move a general one-bushel quota from the study area.

As the supply of boxcars at any point in time is limited, it may be said that a point like Asquith is disadvantaged relative to a point like Anglia. Asquith requires 43 boxcars to move a one-bushel quota and can store only 2.5-bushel quotas, whereas Anglia requires 12 boxcars to move a one-bushel quota and can store 8.0-bushel quotas.

¹The throughput ratio is the total number of bushels annually received at a delivery point divided by its bushel storage capacity. See Table 3.7.

TABLE 3.11 ELEVATOR CAPACITY VERSUS QUOTA ACRES AND NUMBER OF BOXCARS REQUIRED
TO MOVE ONE BUSHEL PER QUOTA ACRE BY DELIVERY POINT

Delivery Point	Elevator Bushel Capacity Aug. 1/69	Quota Acres 1969-70 ^a	Ratio of Bushel Capacity to Quota Acres 1969-70	No. of Boxcars to Move One Bushel Per Quota Acre 1969-70 ^b	Ratio of Bushel Capacity to Quota Acres 1971-72
<i>Too Small to Classify</i>					
1 Kinhop	Closed				
2 Brisbin	Closed				
3 Lindequist	29,000	Storage only			Closed
4 Ava	23,000	Storage only			Closed
5 Hawoods	24,000	Storage only			Closed
6 Wallisville	Closed				
7 Verulam	51,000	Storage only			Closed
8 Malmgren	Closed				
9 Dacer	31,000	Storage only			Closed
10 Vance	25,000	Storage only			Closed
11 St. Alphege	40,000	Storage only			Closed
12 Juniata	26,000	Storage only			Closed
13 Cathkin	26,000	7,597	3.4	4	Closed
14 Hood	53,000	9,143	5.8	5	Closed
15 Wolfe	25,000	5,850	4.3	3	Closed
16 Porter	31,000	7,132	4.3	4	Closed
17 Argo	50,000	7,572	6.6	4	6.5
18 Oban	52,000	10,051	5.2	6	5.0
19 Keppel	70,000	13,449	5.2	7	7.0
20 Salter	79,000	13,907	5.7	7	6.4
21 Cazalet	43,000	17,544	2.5	9	2.3
22 Catherwood	71,000	20,145	3.5	11	4.0
23 Reford	92,000	23,452	3.9	12	3.0
24 Cavell	51,000	15,226	3.3	8	3.4
25 Leney	60,000	15,989	3.8	8	3.3
26 Lett	27,000	19,220	1.4	10	1.6
27 Ceepee	122,000	30,314	4.0	16	4.6
28 Downe	107,100	21,736	4.9	11	4.8
29 Ibstone	97,000	17,383	5.6	9	6.8
30 Cloan	133,700	30,266	4.4	16	5.3
31 Bents	126,000	26,460	4.8	14	5.9
32 Thackeray	130,000	22,377	5.8	12	6.6
33 Valley Centre	98,000	23,686	4.1	12	3.6
34 Traynor	54,000	12,486	4.3	7	6.5
<i>Hamlets</i>					
35 Environ	101,000	23,140	4.4	12	5.1
36 Red Pheasant	30,000	Storage only			Closed
37 Prongua	134,000	21,925	6.1	11	6.9
38 Phippen	193,000	25,842	7.5	13	8.1
39 Marriott	141,000	39,803	3.5	20	5.0
40 Anglia	184,000	23,040	8.0	12	12.5
41 Revenue	157,800	35,161	4.5	18	5.2
42 Baljennie	56,000	20,524	2.7	11	2.8
43 Grandora	56,000	16,833	3.3	9	3.5
44 Druid	164,000	32,333	5.1	17	6.0
45 Feudal	87,000	28,922	3.0	15	3.9
46 Kelfield	128,000	34,035	3.8	17	4.4
47 Duperow	150,400	33,229	4.5	17	4.7

See footnotes at end of table

(continued)

TABLE 3.11 ELEVATOR CAPACITY VERSUS QUOTA ACRES AND NUMBER OF BOXCARS REQUIRED
TO MOVE ONE BUSHEL PER QUOTA ACRE BY DELIVERY POINT (concluded)

Delivery Point	Elevator Bushel Capacity Aug. 1/69	Quota Acres 1969-70 ^a	Ratio of Bushel Capacity to Quota Acres 1969-70	No. of Boxcars to Move One Bushel Per Quota Acre 1969-70 ^b	Ratio of Bushel Capacity to Quota Acres 1971-72
48 Struan	125,000	30,705	4.1	16	3.3
49 Laura	167,000	38,831	4.3	20	5.2
50 Rockhaven	305,000	81,625	3.7	41	2.9
51 Kinley	275,100	52,305	5.3	27	5.4
52 Broadacres	142,000	32,262	4.4	17	4.4
53 Springwater	139,300	38,068	3.7	20	3.7
<i>Villages</i>					
54 Leipzig	129,000	38,701	3.3	20	3.2
55 Ruthilda	95,800	38,050	2.5	20	2.6
56 Stranraer	247,000	39,093	6.3	20	6.4
57 Tessier	189,000	34,217	5.5	18	5.7
58 Arelee	244,000	54,311	4.5	28	5.0
59 Handel	185,000	49,525	3.7	25	4.1
60 Zealandia	460,900	67,332	6.8	34	6.4
61 Cando	169,700	50,958	3.3	26	3.4
62 Sonningdale	116,000	39,333	2.9	20	3.0
63 Herschel	557,300	99,780	5.6	50	5.3
64 Scott	170,000	38,349	4.4	20	3.8
65 Tramping Lake	334,200	65,640	5.1	33	5.0
66 Asquith	213,000	85,978	2.5	43	2.4
67 Plenty	342,100	60,321	5.7	31	4.8
68 Harris	387,100	67,214	5.8	34	5.1
<i>Towns</i>					
69 Landis	439,600	98,849	4.4	50	3.7
70 Perdue	150,900	50,795	3.0	26	2.6
71 Battleford	148,000	56,012	2.6	28	2.0
72 Delisle	375,000	63,197	5.9	32	5.9
<i>Greater Towns</i>					
73 Wilkie	356,000	104,961	3.4	53	3.4
74 Biggar	1,016,000	196,925	5.2	99	5.3
Study Area Total	10,908,000	2,379,109	4.6	1,200 ^c	4.7

^aSame as specified acres, Table 2.6.

^bAssume 2,000 bushels per boxcar.

^cTotal may not agree with the sum of the figures in this column because of rounding.

Number of Boxcars Per Shunt That Can Be Loaded

The number of boxcars that an elevator operator can load in a group is limited by the length of the rail siding and by the location of the elevator on the siding. Although a siding may accommodate as many as 20 boxcars, perhaps only 5 or 6 of them can be loaded for collection by a train at one call. The number that can be loaded is determined by the number of car lengths from the loading spout of the elevator to the spout of a neighboring elevator company or by the distance to the ends of the siding.

Data for each delivery point and for each elevator company is given in Table 3.12. The number of boxcars per delivery point usually increases with the size of the community, but considerable variation exists. The range in the number of boxcars per shunt is from 4 at Cazalet to 34 at Biggar. A total of 810 boxcars can be accommodated in the study area.

In a comparison of the number of boxcars needed to move a one-bushel quota from delivery points such as Salter and Biggar (Tables 3.11 and 3.12), Biggar requires 99 cars to move a one-bushel quota and is able to load 34 boxcars per shunt, whereas Salter requires 7 boxcars to move a one-bushel quota and can load 20 boxcars per shunt. Salter has a clear advantage over Biggar in moving a one-bushel quota.

TABLE 3.12 MAXIMUM NUMBER OF BOXCARS PER SHUNT THAT CAN BE LOADED BY DELIVERY POINT AND ELEVATOR COMPANY, 1972-73

Delivery Point	Number of Boxcars per Point		Elevator Company	Number of Boxcars per Elevator Co.
<i>Too Small to Classify</i>				
17 Argo	10	C.N.	Saskatchewan Wheat Pool	6
18 Oban	6	C.N.	Saskatchewan Wheat Pool	6
19 Keppel	16	C.P.	Saskatchewan Wheat Pool	16
20 Salter	20	C.N.	Saskatchewan Wheat Pool	20
21 Cazalet	4	C.N.	Saskatchewan Wheat Pool	4
22 Catherwood	10	C.P.	Saskatchewan Wheat Pool	10
23 Reford	6	C.N.	Saskatchewan Wheat Pool	6
24 Cavell	6	C.N.	Saskatchewan Wheat Pool	6
25 Leney	12	C.N.	Saskatchewan Wheat Pool	12
26 Lett	10	C.N.	Saskatchewan Wheat Pool	10
27 Ceepee	8	C.N.	Saskatchewan Wheat Pool	8
28 Downe	20	C.N.	Saskatchewan Wheat Pool	20
29 Ibstone	20	C.N.	Saskatchewan Wheat Pool	10
			United Grain Growers	10
30 Cloan	12	C.P.	Saskatchewan Wheat Pool	12
31 Bents	8	C.P.	Saskatchewan Wheat Pool	8
32 Thackeray	8	C.P.	Saskatchewan Wheat Pool	8
33 Valley Centre	8	C.P.	Saskatchewan Wheat Pool	8
34 Traynor	6	C.P.	Saskatchewan Wheat Pool	6
<i>Hamlets</i>				
35 Environ	11	C.P.	Saskatchewan Wheat Pool	11
37 Prongua	20	C.N.	Saskatchewan Wheat Pool	20
38 Phippen	12	C.P.	Saskatchewan Wheat Pool	4
			United Grain Growers	8
39 Marriott	12	C.P.	United Grain Growers	12
40 Anglia	14	C.P.	United Grain Growers	14
41 Revenue	20	C.P.	Saskatchewan Wheat Pool	20
42 Baljennie	13	C.P.	Saskatchewan Wheat Pool	13
43 Grandora	7	C.N.	Saskatchewan Wheat Pool	7
44 Druid	8	C.P.	Saskatchewan Wheat Pool	8
45 Feudal	13	C.P.	Saskatchewan Wheat Pool	13
46 Kelfield	19	C.P.	Saskatchewan Wheat Pool	19
47 Duperow	6	C.N.	Saskatchewan Wheat Pool	6
48 Struan	12	C.P.	United Grain Growers	12
49 Laura	13	C.N.	Saskatchewan Wheat Pool	13
50 Rockhaven	16	C.P.	Saskatchewan Wheat Pool	12
			Pioneer Grain	4
51 Kinley	15	C.N.	Saskatchewan Wheat Pool	15
52 Broadacres	12	C.P.	Saskatchewan Wheat Pool	12
53 Springwater	20	C.N.	Saskatchewan Wheat Pool	20

(continued)

TABLE 3.12 MAXIMUM NUMBER OF BOXCARS PER SHUNT THAT CAN BE LOADED BY DELIVERY POINT AND ELEVATOR COMPANY, 1972-73

Delivery Point	Number of Boxcars per Point		Elevator Company	Number of Boxcars per Elevator Co.
<i>Villages</i>				
54 Leipzig	15	C.P.	Saskatchewan Wheat Pool	15
55 Ruthilda	11	C.N.	Saskatchewan Wheat Pool	11
56 Stranraer	23	C.P.	Saskatchewan Wheat Pool	10
			United Grain Growers	13
57 Tessier	15	C.N.	Pioneer Grain	10
			Saskatchewan Wheat Pool	5
58 Arelee	12	C.P.	Saskatchewan Wheat Pool	4
			United Grain Growers	8
59 Handel	20	C.P.	Saskatchewan Wheat Pool	20
60 Zealandia	15	C.N.	Saskatchewan Wheat Pool	8
			National Grain	4
			United Grain Growers	3
61 Cando	20	C.N.	Saskatchewan Wheat Pool	20
62 Sonningdale	15	C.P.	Saskatchewan Wheat Pool	15
63 Herschel	20	C.P.	Saskatchewan Wheat Pool	17
			United Grain Growers	3
64 Scott	10	C.N.	National Grain	5
			Saskatchewan Wheat Pool	5
65 Tramping Lake	24	C.P.	Saskatchewan Wheat Pool	24
66 Asquith	25	C.N.	Saskatchewan Wheat Pool	25
67 Plenty	26	C.P.	Saskatchewan Wheat Pool	26
68 Harris	19	C.N.	Pioneer Grain	8
			Saskatchewan Wheat Pool	5
			United Grain Growers	6
<i>Towns</i>				
69 Landis	17	C.N.	National Grain	5
			Saskatchewan Wheat Pool	6
			United Grain Growers	6
70 Perdue	13	C.P.	Saskatchewan Wheat Pool	13
71 Battleford	12	C.N.	Saskatchewan Wheat Pool	5
			United Grain Growers	7
72 Delisle	16	C.N.	Saskatchewan Wheat Pool	13
			Pioneer Grain	3
73 Wilkie	15	C.P.	Saskatchewan Wheat Pool	9
			United Grain Growers	6
74 Biggar	34	C.N.	National Grain	6
			Pioneer Grain	4
			Saskatchewan Wheat Pool	6
			United Grain Growers	12
		C.P.	Saskatchewan Wheat Pool	6
Study Area Total	810			

Source: Canadian Wheat Board, Winnipeg.

Block Loading System for Grain

A new system for issuing orders and allocating boxcars, called the Canadian Wheat Board Block Loading System, came into effect at the beginning of the 1969-70 crop year. The blocks consist of grain delivery points situated in specified groups of contiguous railway subdivisions, the delivery points of one railway company being kept separate from those of the other railway company. The original block configuration was revised prior to the 1971-72 crop year.

Improved communication between the Wheat Board and the elevator operators keeps the Board up-to-date on the kinds, grades and quantities of grain at delivery points in each block, and enables the Board to issue shipping orders to the appropriate elevator companies. These firms then allocate boxcars to elevators in the block for loading the particular grains that the Board wants in forward positions.

Table 3.13 groups the delivery points of the study area within their respective loading blocks. The names of the railway subdivisions and the number of cars that can be loaded at one time at each point are also given.

TABLE 3.13 BLOCK LOADING SYSTEM FOR GRAIN IN THE STUDY AREA, 1972-73

Shipping Block & Delivery Points	Railway Subdivision	Number of Boxcars Per Point
<i>Saskatoon Main Block No. 17 (C.N.)</i>		
21 Cazalet	Watrous	4
25 Leney	Watrous	12
43 Grandora	Watrous	7
51 Kinley	Watrous	15
66 Asquith	Watrous	25
<i>Saskatoon West Block No. 21 (C.N.)</i>		
49 Laura	Rosetown	13
57 Tessier	Rosetown	15
60 Zealandia	Rosetown	15
68 Harris	Rosetown	19
72 Delisle	Rosetown	16
<i>Prince Albert Main Block No. 23 (C.N.)</i>		
27 Ceepee	Langham	8
<i>Biggar North Block No. 37 (C.N.)</i>		
20 Salter	Porter	20
26 Lett	Porter	10
29 Ibstone	Porter	20
37 Prongua	Cutknife	20
61 Cando	Porter	20
71 Battleford	Porter	12
<i>Biggar West Block No. 39 (C.N.)</i>		
17 Argo	Dodsland	10
18 Oban	Wainwright	6
23 Reford	Wainwright	6
24 Cavell	Wainwright	6
28 Downe	Dodsland	20
47 Duperow	Dodsland	6
53 Springwater	Dodsland	20
55 Ruthilda	Dodsland	11
64 Scott	Wainwright	10
69 Landis	Wainwright	17
74 Biggar	Watrous	28
<i>Saskatoon Block No. 75 (C.P.)</i>		
19 Keppel	Wilkie	16
22 Catherwood	Rosetown	10
31 Bents	Rosetown	8
33 Valley Centre	Rosetown	8

(continued)

TABLE 3.13 BLOCK LOADING SYSTEM FOR GRAIN IN THE STUDY AREA, 1972-73
(concluded)

Shipping Block & Delivery Points	Railway Subdivision	Number of Boxcars Per Point
34 Traynor	Wilkie	6
35 Environ	Asquith	11
39 Marriott	Rosetown	12
42 Baljennie	Asquith	13
45 Feudal	Rosetown	13
48 Struan	Asquith	12
58 Arelee	Asquith	12
62 Sonningdale	Asquith	15
70 Perdue	Wilkie	13
73 Wilkie	Wilkie	15
74 Biggar	Wilkie	6
<i>Wilkie Block No. 76 (C.P.)</i>		
30 Cloan	Lloydminster	12
32 Thackeray	Lloydminster	8
38 Phippen	Hardisty	12
41 Revenue	Reford	20
46 Kelfield	Kelfield	19
50 Rockhaven	Lloydminster	16
52 Broadacres	Reford	12
54 Leipzig	Kelfield	15
59 Handel	Kelfield	20
65 Tramping Lake	Reford	24
<i>Outlook Block No. 79 (C.P.)</i>		
40 Anglia	Kerrobert	14
44 Druid	Kerrobert	8
56 Stranraer	Kerrobert	23
63 Herschel	Kerrobert	20
67 Plenty	Kerrobert	26

Source: Canadian Wheat Board, Winnipeg.

Farm Trucks

Table 3.14 presents information on the number, size and age of farm trucks registered in the Biggar study region. Although it is difficult to translate gross vehicle weights into ton capacities, trucks in the 0-6,000 pound group approximately represent 1/2-ton trucks, and trucks at the upper end of the scale, about 21,000 pounds and over, approximately represent 3-ton and 4-ton trucks.

A total of 5,298 farm trucks were matched with 2,951 farm operators in the study area.¹ Over half of the trucks, 56.6 percent, were in the three smallest size-groups. The average size-group was 11,001-13,000 pounds. As some 53 percent of the trucks were made prior to 1960-61, they were over ten years old. The Canadian Transport Commission estimated that truck ownership was as follows:

<u>No. of Farm Operators</u>	<u>No. of Trucks Owned</u>
1,212	1
1,256	2
398	3
63	4
22	5 or more

¹This accounts for 80.2 percent of the 3,679 permits issued in 1970-71, Table 3.2.

TABLE 3.14 ESTIMATED NUMBER OF FARM TRUCKS BY SIZE AND MODEL YEAR IN THE STUDY AREA, 1970^a

Size of Truck (Gross Vehicle Weight)	Model Year																				
	Up to 1945	1946 to 1947	1948 to 1949	1950 to 1951	1952 to 1953	1954 to 1955	1956 to 1957	1958 to 1959	1960 to 1961	1961 to 1962	1962 to 1963	1963 to 1964	1964 to 1965	1965 to 1966	1966 to 1967	1967 to 1968	1968 to 1969	1969 to 1970	Total	Percent	
	- number of trucks -																				
- lbs. -																					
0 - 6,000	26	8	44	66	102	53	79	31	60	53	47	62	97	119	142	177	205	149	164	1,684	31.8
6,001 - 9,000	11	5	27	55	65	20	27	14	14	14	18	27	30	56	56	74	74	71	60	718	13.5
9,001 - 11,000	13	19	87	146	158	30	29	8	10	15	6	6	12	12	16	6	13	5	7	598	11.3
11,001 - 13,000	17	12	77	120	135	35	27	10	12	5	8	4	8	12	18	8	7	2	3	520	9.8
13,001 - 15,000	4	9	14	22	41	15	9	6	2	7	6	3	12	10	10	7	9	5	0	191	3.6
15,001 - 17,000	8	4	11	10	26	5	8	2	3	6	3	3	1	5	5	13	5	5	2	125	2.4
17,001 - 19,000	17	16	12	17	41	12	9	4	2	3	4	1	10	12	9	17	4	3	5	198	3.7
19,001 - 21,000	21	30	37	34	70	24	25	4	9	8	4	6	14	12	15	7	17	5	2	344	6.5
21,001 - 23,000	1	16	9	17	33	8	12	3	2	3	3	1	3	2	1	5	6	1	0	126	2.4
23,001 - 25,000	11	18	27	19	41	21	26	8	6	4	6	1	7	10	9	9	19	2	0	244	4.6
25,001 - 27,000	1	8	10	7	30	12	14	6	3	4	2	5	6	6	4	9	7	2	1	137	2.6
27,001 - 29,000	2	9	14	16	31	31	24	21	20	18	13	17	23	23	23	30	49	19	23	406	7.7
Over 29,000	2	0	1	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	1	7	0.1
Total	134	154	370	529	773	266	291	117	143	141	120	136	223	279	308	362	415	269	268	5,298	100.0
Percent	2.5	2.9	7.0	10.0	14.6	5.0	5.5	2.2	2.7	2.7	2.3	2.6	4.2	5.3	5.8	6.8	7.8	5.0	5.1	100.0	

^aThis matrix is a result of a clerical match between the 1970 Saskatchewan motor vehicle registrations and farm operators in the 1970-71 crop year. Names and addresses were matched to identify which trucks were owned by each operator. As there were difficulties in matching, the number of farm operators at a given delivery point may not equal total farm operators, but approximately 80 percent of all possible matches were completed with an estimated error of 10 percent. Two other points may also account for the difference: (1) it is a recognizable fact that some farmers arrange to have their grain hauled by a neighbor; (2) some farm trucks are for on-farm use only and as such are not registered.

Source: Canadian Transport Commission, Ottawa.

Farm-to-Elevator Hauling Distances

Tributary areas supplying grain to delivery points for the 1969-70 crop year are shown in Figure 4.1. As recorded in individual Canadian Wheat Board permit books, each quarter section was plotted to produce a graphic portrayal of the relative sizes and shapes of hinterlands. Unimproved farmland is, of course, included by this method of presentation, while Crown land, wasteland, bodies of water and farmland tributary to delivery points outside the study area are excluded.

Table 3.15 shows farm-to-elevator grain hauling distances for 1969-70. In a sense, the average hauling distance measures the geographic size of a hinterland as additional acreage usually increases the hauling distance. The data was derived from the 1969-70 hinterland map, Figure 4.1, by measuring the grid distance from the delivery point to the midpoint of each section block. Since the delivery point was always assumed to be at one corner of a section, the minimum hauling distance was 1.0 mile, all subsequent distances being 1.0 plus 1.0, 2.0 or 3.0 miles, etc., to the furthest boundary of the hinterland. Where a natural barrier such as a river crosses the study area, an allowance was made for the extradistance that producers must haul via available roads.

The average distance of each quarter section from its delivery point was calculated as follows: the distance of each section, as derived above, was weighted or multiplied by the relevant¹ number of quarter sections within that section, the products of these calculations being accumulated and their sum divided by the total number of quarter sections in the hinterland. The result may be said to be the average distance that each section is from the delivery point weighted by the number of relevant quarter sections.

As an estimate of farm-to-elevator hauling distances, this method may be criticized for not taking into account the actual locations of on-farm grain storage facilities as well as the existing network of roads. Such criticism may, however, not be too serious since grain is usually hauled from the field to the farm storage, being taken to the country elevator at a later date. In fact, therefore, the hauling activity originates from each quarter section. The magnitude of the error introduced by ignoring some roads is difficult to estimate, but it will be greater for a hinterland with few roads than for a hinterland with a good network of roads. To the extent that error is introduced by omitting some roads, hauling distances could be underestimated.

In 1969-70, the average hauling distance in the study area was 7.08 miles. The highest maximum distance was 30 miles at Zealandia while the lowest maximum distances were 9 miles at Cathkin and 8 miles at Wolfe. In terms of average hauling distance the largest hinterland was at Biggar where the average was 12.34 miles, whereas the smallest hinterland was at Wolfe where the average was only 3.30 miles.

¹A relevant quarter section was both recorded in some farmer's delivery permit book and located in the hinterland of the delivery point in question.

TABLE 3.15 FARM-TO-ELEVATOR HAULING DISTANCES BY DELIVERY POINT, 1969-70

Delivery Point	1969-70 ^a	
	Maximum	Average
- miles -		
<i>Too Small to Classify</i>		
1 Kinhop	Closed	
2 Brisbin	Closed	
3 Lindequist	Storage only	
4 Ava	Storage only	
5 Hawoods	Storage only	
6 Wallisville	Closed	
7 Verulam	Storage only	
8 Malmgren	Closed	
9 Dacer	Storage only	
10 Vance	Storage only	
11 St. Alphege	Storage only	
12 Juniata	Storage only	
13 Cathkin	9	3.56
14 Hood	10	5.19
15 Wolfe	8	3.30
16 Porter	13	6.84
17 Argo	12	6.11
18 Oban	15	4.68
19 Keppel	12	4.29
20 Salter	15	5.72
21 Cazalet	16	6.56
22 Catherwood	14	4.33
23 Reford	17	3.95
24 Cavell	11	3.97
25 Leney	18	6.44
26 Lett	15	4.82
27 Ceepee	17	7.64
28 Downe	18	4.62
29 Ibstone	14	6.49
30 Cloan	14	5.75
31 Bents	20	4.26
32 Thackeray	16	4.89
33 Valley Centre	19	7.46
34 Traynor	12	4.48
<i>Hamlets</i>		
35 Environ	11	4.18
36 Red Pheasant	Storage only	
37 Prongua	17	4.22
38 Phippen	10	4.44
39 Marriott	25	6.45
40 Anglia	23	6.21

See footnotes at end of table

(continued)

TABLE 3.15 FARM-TO-ELEVATOR HAULING DISTANCES BY DELIVERY POINT, 1969-70
(concluded)

Delivery Point	1969-70 ^a	
	Maximum	Average
	- miles -	
41 Revenue	13	5.63
42 Baljennie	10	5.46
43 Grandora	13	4.89
44 Druid	17	6.07
45 Feudal	13	4.70
46 Kelfield	13	4.81
47 Duperow	15	6.22
48 Struan	15	5.63
49 Laura	13	5.05
50 Rockhaven	20	8.23
51 Kinley	16	6.36
52 Broadacres	13	4.64
53 Springwater	14	5.81
<i>Villages</i>		
54 Leipzig	14	5.13
55 Ruthilda	16	6.63
56 Stranraer	15	5.51
57 Tessier	14	4.71
58 Arelee	18	6.47
59 Handel	12	4.88
60 Zealandia	30	6.56
61 Cando	17	7.28
62 Sonningdale	18	6.40
63 Herschel	26	8.95
64 Scott	18	5.33
65 Tramping Lake	21	5.81
66 Asquith	19	7.63
67 Plenty	21	7.01
68 Harris	21	7.22
<i>Towns</i>		
69 Landis	24	7.60
70 Perdue	20	7.81
71 Battleford	24	10.37
72 Delisle	22	6.55
<i>Greater Towns</i>		
73 Wilkie	26	9.85
74 Biggar	29	12.34
Study Area Total	30	7.08

^aThe minimum distance in all cases was assumed to be 1.0 mile; thus the range in distances for each hinterland is the maximum minus 1.0 mile.



Valley Centre, Sask. Classification: "Too Small to Classify".
C.P.R. Rosetown Subdivision. (Photo: A.W. Burges, 1966)



Feudal, Sask. Classification: Hamlet. C.P.R. Rosetown
Subdivision. (Photo: A.W. Burges, 1966)

PART IV

A SUGGESTED ALTERNATIVE GRAIN COLLECTION SYSTEM

Community characteristics, grain production characteristics, and grain marketing and handling characteristics of the study area have been covered in the first three parts of this report. Part IV endeavors to show what changes may take place if some delivery points are closed. The proposed alternative system has no official status, and it is neither a set of recommendations nor a set of final adjustments that will in fact occur. The authors have scanned the delivery points and selected for closure the ones that seem least likely to survive when judged by the traffic density of the rail lines serving them, by the number of delivery permits issued for them, and by the distance from them to other points that will probably remain open. Some consideration has been given to the wishes of the railway and elevator companies. Applications that have been filed with the Canadian Transport Commission for permission to abandon lines were used to gauge what the railway companies wanted. Records of the volume of grain receipts put through delivery points each year were considered to be evidence of what the elevator companies wanted. Figure 4.2, which shows the hinterlands of delivery points that are assumed to stay open, is only intended to be an approximation of what the future may hold in store for farmers in the Biggar region.

For purposes of this study, 33 of the present delivery points in the Biggar region are assumed to be closed: 5 on each of the Rosetown, Porter and Doddsland subdivisions; 4 on the Kelfield subdivision; 3 on both the Asquith subdivision and the Wainwright subdivision; 2 on each of the Watrous, Wilkie and Lloydminster subdivisions; and 1 on each of the Langham and Kerrobert subdivisions. Three delivery points that were affected by additional grain receipts, Borden, Langham and Rosetown, are located in other study regions.¹ Data for these communities appears only in Part IV.

Figure 4.2 was derived from 1969-70 hinterlands by diverting each quarter section from points assumed to be closed to alternative points assumed to be open. Although an element of subjective judgment was involved,

¹For a more detailed examination of these communities, see the following reports:

1. Borden, The Shellbrook-Turtleford Region of Saskatchewan by H.R. Fast and D.A. Neil, Economics Branch, Canada Agriculture, Pub. No. 73/17, September 1973.
2. Langham, The Rosthern Region of Saskatchewan, by J.W. Channon, H.R. Fast and D.A. Neil, Economics Branch, Canada Agriculture, Pub. No. 72/6, October 1972.
3. Rosetown, The Eston-Elrose Region of Saskatchewan by J.W. Channon, H.R. Fast and D.A. Neil, Economics Branch, Canada Agriculture, Pub. No. 71/12, November 1971.

the following criteria served as guides in the selection of alternative delivery points: (1) shortest hauling distance, (2) road conditions, and (3) size of community and number of services at alternate points. These criteria are listed in order of importance, but in some instances the second criterion took precedence over the first one. Only minor importance was given to the third criterion.

TABLE 4.1 STATUS OF DELIVERY POINTS AFTER DIVERSION, 1969-70^a

Points Assumed Closed	Points Remaining Open	
	Affected by Diversion	Unaffected by Diversion
13 Cathkin	34 Traynor	37 Prongua
14 Hood	38 Phippen	43 Grandora
15 Wolfe	40 Anglia	49 Laura
16 Porter	41 Revenue	52 Broadacres
17 Argo	44 Druid	65 Tramping Lake
18 Oban	50 Rockhaven	72 Delisle
19 Keppel	51 Kinley	
20 Salter	56 Stranraer	
21 Cazalet	57 Tessier	
22 Catherwood	58 Arelee	
23 Reford	60 Zealandia	
24 Cavell	62 Sonningdale	
25 Leney	63 Herschel	
26 Lett	64 Scott	
27 Ceepee	66 Asquith	
28 Downe	67 Plenty	
29 Ibstone	68 Harris	
30 Cloan	69 Landis	
31 Bents	70 Perdue	
32 Thackeray	71 Battleford	
33 Valley Centre	73 Wilkie	
35 Environ	74 Biggar	
39 Marriott	* Borden	
42 Baljennie	* Langham	
45 Feudal	* Rosetown	
46 Kelfield		
47 Duperow		
48 Struan		
53 Springwater		
54 Leipzig		
55 Ruthilda		
59 Handel		
61 Cando		

* Borden, Langham and Rosetown, communities in the Shellbrook-Turtleford, Rosthern, and Eston-Elrose study regions respectively, appear in Part IV of this study only to the extent that they are affected by diversion in the Biggar region.

^aTwelve points "too small to classify" and one hamlet were either closed or closed for storage only prior to 1969-70.

Probable Diversion of Acreages and Bushels Conditional on Closing Certain Delivery Points

Table 4.2, the "loss" aspect of diversion, and Table 4.3, the "gain" aspect of diversion, show the probable changes in acreages and bushels that would occur if the specified points are closed. In Table 4.2, the distribution percentages were determined on the basis of the number of quarter sections diverted to each alternate delivery point. For example, 69.8 percent of the quarter sections in the hinterland of Wolfe were diverted to Traynor, 25.6 percent to Landis, and 4.6 percent to Wilkie. Of the 7,262 acres of farmland at Wolfe in 1969-70, 5,069 acres were transferred to Traynor, 1,859 acres to Landis, and 334 acres to Wilkie. Altogether, 990,420 acres, 34.0 percent of nearly 3,000,000 acres in the study area, were transferred from points assumed to be closed to points assumed to remain open.

Estimates of bushel diversion were also made on the basis of the distribution percentages for quarter sections. Of the 39,042 bushels of grain received at Wolfe in 1969-70, it was assumed that 27,251 bushels, 69.8 percent, would go to Traynor; 9,995 bushels, 25.6 percent, to Landis; and 1,796 bushels, 4.6 percent, to Wilkie. Since annual receipts vary considerably, bushel diversion based on the ten-year average of the crop years from 1960-61 to 1969-70 have been calculated in the same manner. If the delivery points specified in Table 4.2 had been closed in 1969-70, there would have been an estimated diversion of 5,518,362 bushels on the one-year basis compared with an estimated diversion of 6,428,095 bushels on the ten-year average basis. In this table, closed delivery points are listed in an ascending order, the point with the lowest average bushels diverted basis 1960-61 to 1969-70 being first on the list and the point with the highest average being last.

Table 4.3 takes from Table 4.2 the acreage and bushel amounts diverted to each delivery point assumed to remain open. Figures in the percent diverted column are derived from figures on the same page for acres diverted in 1969-70. As in Table 4.2, delivery points are listed in an ascending order on the basis of the ten-year average receipts from 1960-61 to 1969-70. Revenue gained the least, 2,545 bushels; while Landis gained the most, 966,280 bushels.

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHELs CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS, 1969-70

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 15 Wolfe				
To: 73 Wilkie	4.6	334	1,796	2,570
69 Landis	25.6	1,859	9,995	14,303
34 Traynor	69.8	5,069	27,251	38,997
<u>Total</u>	100.0	7,262	39,042	55,870
From: 18 Oban				
To: 69 Landis	18.7	2,736	12,626	13,103
74 Biggar	81.3	11,895	54,892	56,964
<u>Total</u>	100.0	14,631	67,518	70,067
From: 13 Cathkin				
To: 69 Landis	19.3	1,702	10,108	14,260
73 Wilkie	36.8	3,245	19,273	27,191
64 Scott	43.9	3,872	22,991	32,437
<u>Total</u>	100.0	8,819	52,372	73,888
From: 16 Porter				
To: 73 Wilkie	3.0	343	1,314	2,338
71 Battleford	97.0	11,076	42,482	75,609
<u>Total</u>	100.0	11,419	43,796	77,947
From: 17 Argo				
To: 74 Biggar	100.0	10,399	39,509	88,943
<u>Total</u>	100.0	10,399	39,509	88,943
From: 19 Keppel				
To: 70 Perdue	24.5	3,919	19,282	24,472
74 Biggar	75.5	12,076	59,422	75,414
<u>Total</u>	100.0	15,995	78,704	99,886
From: 14 Hood				
To: 44 Druid	29.3	2,949	19,722	30,793
67 Plenty	70.7	7,116	47,590	74,304
<u>Total</u>	100.0	10,065	67,312	105,097

(continued)

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHELS CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS, 1969-70
(continued)

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 20 Salter				
To: 62 Sonningdale	1.4	324	1,240	1,601
74 Biggar	13.8	3,195	12,221	15,783
34 Traynor	84.8	19,631	75,097	96,983
<u>Total</u>	100.0	23,150	88,558	114,367
From: 42 Baljennie				
To: 71 Battleford	23.3	9,236	29,776	30,389
62 Sonningdale	76.7	30,404	98,019	100,034
<u>Total</u>	100.0	39,640	127,795	130,423
From: 21 Cazalet				
To: 68 Harris	0.7	167	700	915
62 Sonningdale	4.3	1,029	4,299	5,619
70 Perdue	9.9	2,368	9,898	12,938
58 Arelee	11.3	2,703	11,298	14,768
74 Biggar	73.8	17,652	73,786	96,446
<u>Total</u>	100.0	23,919	99,981	130,686
From: 24 Cavell				
To: 64 Scott	0.9	153	946	1,187
73 Wilkie	43.5	7,393	45,705	57,391
69 Landis	55.6	9,449	58,419	73,355
<u>Total</u>	100.0	16,995	105,070	131,933
From: 26 Lett				
To: 74 Biggar	24.0	6,604	25,212	32,973
69 Landis	30.9	8,502	32,460	42,452
34 Traynor	45.1	12,410	47,377	61,961
<u>Total</u>	100.0	27,516	105,049	137,386
From: 22 Catherwood				
To: 68 Harris	0.9	198	1,193	1,305
51 Kinley	5.5	1,211	7,292	7,974
70 Perdue	93.6	20,612	124,102	135,698
<u>Total</u>	100.0	22,021	132,587	144,977

(continued)

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHEL'S CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS, 1969-70
(continued)

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 25 Leney				
To: 57 Tessier	0.8	153	999	1,167
68 Harris	1.5	286	1,873	2,187
51 Kinley	5.2	992	6,493	7,583
74 Biggar	10.4	1,985	12,985	15,167
70 Perdue	82.1	15,669	102,512	119,730
<u>Total</u>	100.0	19,085	124,862	145,834
From: 35 Environ				
To: * Borden	0.6	181	921	941
66 Asquith	30.4	9,174	46,641	47,663
58 Arelee	69.0	20,824	105,863	108,184
<u>Total</u>	100.0	30,179	153,425	156,788
From: 29 Ibstone				
To: 73 Wilkie	22.0	6,068	25,527	42,125
71 Battleford	78.0	21,512	90,507	149,353
<u>Total</u>	100.0	27,580	116,034	191,478
From: 28 Downe				
To: 63 Herschel	2.7	656	5,185	5,305
67 Plenty	36.9	8,973	70,864	72,495
56 Stranraer	60.4	14,687	115,993	118,664
<u>Total</u>	100.0	24,316	192,042	196,464
From: 31 Bents				
To: 74 Biggar	7.1	2,149	11,895	14,685
68 Harris	92.9	28,112	155,639	192,150
<u>Total</u>	100.0	30,261	167,534	206,835
From: 23 Reford				
To: 41 Revenue	0.6	158	1,256	1,291
69 Landis	0.7	185	1,465	1,507
64 Scott	24.7	6,511	51,702	53,158
73 Wilkie	74.0	19,507	154,897	159,259
<u>Total</u>	100.0	26,361	209,320	215,215

*See footnotes at end of Table 4.3.

(continued)

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHELS CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS, 1969-70
(continued)

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 46 Kelfield				
To: 56 Stranraer	4.0	1,648	7,943	8,982
69 Landis	4.8	1,978	9,531	10,779
44 Druid	7.9	3,255	15,687	17,740
67 Plenty	83.3	34,326	165,405	187,057
<u>Total</u>	100.0	41,207	198,566	224,558
From: 32 Thackeray				
To: 71 Battleford	3.6	982	6,043	8,088
50 Rockhaven	8.9	2,429	14,939	19,997
38 Phippen	27.2	7,423	45,656	61,114
73 Wilkie	60.3	16,456	101,216	135,483
<u>Total</u>	100.0	27,290	167,854	224,682
From: 45 Feudal				
To: 51 Kinley	0.5	160	931	1,141
74 Biggar	2.6	831	4,844	5,932
57 Tessier	20.7	6,620	38,562	47,233
68 Harris	37.3	11,928	69,485	85,110
70 Perdue	38.9	12,439	72,466	88,761
<u>Total</u>	100.0	31,978	186,288	228,177
From: 47 Duperow				
To: 56 Stranraer	1.6	665	3,471	3,753
40 Anglia	3.1	1,288	6,724	7,271
63 Herschel	5.1	2,119	11,062	11,962
69 Landis	9.7	4,030	21,040	22,752
74 Biggar	80.5	33,446	174,611	188,814
<u>Total</u>	100.0	41,548	216,908	234,552
From: 33 Valley Centre				
To: 63 Herschel	0.6	170	987	1,409
60 Zealandia	1.1	313	1,810	2,582
40 Anglia	9.0	2,558	14,808	21,128
* Rosetown	12.9	3,666	21,224	30,284
68 Harris	22.5	6,394	37,019	52,821
74 Biggar	53.9	15,318	88,682	126,536
<u>Total</u>	100.0	28,419	164,530	234,760

*See footnotes at end of Table 4.3.

(continued)

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHELs CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS, 1969-70
(continued)

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 48 Struan				
To: 62 Sonningdale	42.5	18,451	87,251	105,532
58 Arelee	57.5	24,963	118,045	142,778
<u>Total</u>	100.0	43,414	205,296	248,310
From: 30 Cloan				
To: 38 Phippen	0.5	189	1,165	1,304
71 Battleford	3.6	1,364	8,390	9,385
73 Wilkie	22.3	8,449	51,969	58,134
50 Rockhaven	73.6	27,885	171,521	191,869
<u>Total</u>	100.0	37,887	233,045	260,692
From: 27 Ceepee				
To: 58 Arelee	13.3	4,533	33,401	36,319
66 Asquith	22.4	7,634	56,255	61,169
* Langham	26.7	9,099	67,053	72,911
* Borden	37.6	12,814	94,427	102,676
<u>Total</u>	100.0	34,080	251,136	273,075
From: 55 Ruthilda				
To: 74 Biggar	1.5	662	4,254	4,322
69 Landis	4.8	2,118	13,613	13,831
67 Plenty	15.2	6,707	43,109	43,798
63 Herschel	18.9	8,340	53,603	54,460
56 Stranraer	59.6	26,300	169,032	171,734
<u>Total</u>	100.0	44,127	283,611	288,145
From: 53 Springwater				
To: 67 Plenty	4.5	2,150	11,071	13,287
63 Herschel	6.5	3,106	15,992	19,192
56 Stranraer	8.3	3,966	20,420	24,507
74 Biggar	9.7	4,635	23,864	28,640
69 Landis	71.0	33,926	174,676	209,635
<u>Total</u>	100.0	47,783	246,023	295,261

*See footnotes at end of Table 4.3.

(continued)

TABLE 4.2 DIVERSIONS (FROM-TO) OF ACREAGES AND BUSHEL'S CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS, 1969-70
(concluded)

From Closed Point To Diversion Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
From: 54 Leipzig				
To: 67 Plenty	0.4	169	1,078	1,254
41 Revenue	0.4	169	1,078	1,254
73 Wilkie	2.1	890	5,660	6,584
64 Scott	2.5	1,059	6,739	7,838
69 Landis	94.6	40,062	254,984	296,593
<u>Total</u>	100.0	42,349	269,539	313,523
From: 39 Marriott				
To: 63 Herschel	0.8	367	2,568	2,688
74 Biggar	3.0	1,375	9,630	10,079
40 Anglia	16.0	7,336	51,358	53,756
68 Harris	19.4	8,895	62,272	65,180
60 Zealandia	25.8	11,830	82,815	86,682
* Rosetown	35.0	16,048	112,347	117,592
<u>Total</u>	100.0	45,851	320,990	335,977
From: 61 Cando				
To: 71 Battleford	0.2	160	831	742
73 Wilkie	0.6	478	2,493	2,225
62 Sonningdale	43.3	34,502	179,922	160,580
34 Traynor	55.9	44,542	232,278	207,307
<u>Total</u>	100.0	79,682	415,524	370,854
From: 59 Handel				
To: 67 Plenty	39.8	21,966	138,720	167,735
69 Landis	60.2	33,226	209,822	253,710
<u>Total</u>	100.0	55,192	348,542	421,445
Study Area Total		990,420	5,518,362	6,428,095

*See footnotes at end of Table 4.3.

TABLE 4.3 DIVERSIONS (TO-FROM) OF ACREAGES AND BUSHEL'S CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70

To Diversion Point From Closed Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
To: 41 Revenue				
From: 54 Leipzig	51.7	169	1,078	1,254
23 Reford	48.3	158	1,256	1,291
<u>Total</u>	100.0	327	2,334	2,545
To: 51 Kinley				
From: 45 Feudal	6.8	160	931	1,141
25 Leney	42.0	992	6,493	7,583
22 Catherwood	51.2	1,211	7,292	7,974
<u>Total</u>	100.0	2,363	14,716	16,698
To: 57 Tessier				
From: 25 Leney	2.3	153	999	1,167
45 Feudal	97.7	6,620	38,562	47,233
<u>Total</u>	100.0	6,773	39,561	48,400
To: 44 Druid				
From: 46 Kelfield	52.5	3,255	15,687	17,740
14 Hood	47.5	2,949	19,722	30,793
<u>Total</u>	100.0	6,204	35,409	48,533
To: 38 Phippen				
From: 30 Cloan	2.5	189	1,165	1,304
32 Thackeray	97.5	7,423	45,656	61,114
<u>Total</u>	100.0	7,612	46,821	62,418
To: * Langham				
From: 27 Ceepee	100.0	9,099	67,053	72,911
<u>Total</u>	100.0	9,099	67,053	72,911
To: 40 Anglia				
From: 47 Duperow	11.5	1,288	6,724	7,271
33 Valley Centre	22.9	2,558	14,808	21,128
39 Marriott	65.6	7,336	51,358	53,756
<u>Total</u>	100.0	11,182	72,890	82,155

*See footnotes at end of table

(continued)

TABLE 4.3 DIVERSIONS (TO-FROM) OF ACREAGES AND BUSHEL'S CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70
(continued)

To Diversion Point From Closed Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
To: 60 Zealandia				
From: 33 Valley Centre	2.6	313	1,810	2,582
39 Marriott	97.4	11,830	82,815	86,682
<u>Total</u>	100.0	12,143	84,625	89,264
To: 64 Scott				
From: 24 Cavell	1.3	153	946	1,187
54 Leipzig	9.1	1,059	6,739	7,838
13 Cathkin	33.4	3,872	22,991	32,437
23 Reford	56.2	6,511	51,702	53,158
<u>Total</u>	100.0	11,595	82,378	94,620
To: 63 Herschel				
From: 33 Valley Centre	1.2	170	987	1,409
39 Marriott	2.5	367	2,568	2,688
28 Downe	4.4	656	5,185	5,305
47 Duperow	14.4	2,119	11,062	11,962
53 Springwater	21.0	3,106	15,992	19,192
55 Ruthilda	56.5	8,340	53,603	54,460
<u>Total</u>	100.0	14,758	89,397	95,016
To: * Borden				
From: 35 Environ	1.4	181	921	941
27 Ceepee	98.6	12,814	94,427	102,676
<u>Total</u>	100.0	12,995	95,348	103,617
To: 66 Asquith				
From: 35 Environ	54.6	9,174	46,641	47,663
27 Ceepee	45.4	7,634	56,255	61,169
<u>Total</u>	100.0	16,808	102,896	108,832
To: * Rosetown				
From: 33 Valley Centre	18.6	3,666	21,224	30,284
39 Marriott	81.4	16,048	112,347	117,592
<u>Total</u>	100.0	19,714	133,571	147,876

*See footnotes at end of table

(continued)

TABLE 4.3 DIVERSIONS (TO-FROM) OF ACREAGES AND BUSHEL'S CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70
(continued)

To Diversion Point From Closed Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
To: 50 Rockhaven				
From: 32 Thackeray	8.0	2,429	14,939	19,997
30 Cloan	92.0	27,885	171,521	191,869
<u>Total</u>	100.0	30,314	186,460	211,866
To: 71 Battleford				
From: 61 Cando	0.4	160	831	742
32 Thackeray	2.2	982	6,043	8,088
30 Cloan	3.1	1,364	8,390	9,385
42 Baljennie	20.8	9,236	29,776	30,389
16 Porter	25.0	11,076	42,482	75,609
29 Ibstone	48.5	21,512	90,507	149,353
<u>Total</u>	100.0	44,330	178,029	273,566
To: 58 Arelee				
From: 21 Cazalet	5.1	2,703	11,298	14,768
27 Ceepee	8.5	4,533	33,401	36,319
35 Environ	39.3	20,824	105,863	108,184
48 Struan	47.1	24,963	118,045	142,778
<u>Total</u>	100.0	53,023	268,607	302,049
To: 56 Stranraer				
From: 47 Duperow	1.4	665	3,471	3,753
46 Kelfield	3.5	1,648	7,943	8,982
53 Springwater	8.4	3,966	20,420	24,507
28 Downe	31.1	14,687	115,993	118,664
55 Ruthilda	55.6	26,300	169,032	171,734
<u>Total</u>	100.0	47,266	316,859	327,640
To: 62 Sonningdale				
From: 20 Salter	0.4	324	1,240	1,601
21 Cazalet	1.2	1,029	4,299	5,619
42 Baljennie	35.9	30,404	98,019	100,034
48 Struan	21.8	18,451	87,251	105,532
61 Cando	40.7	34,502	179,922	160,580
<u>Total</u>	100.0	84,710	370,731	373,366

*See footnotes at end of table

(continued)

TABLE 4.3 DIVERSIONS (TO-FROM) OF ACREAGES AND BUSHEL'S CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70
(continued)

To Diversion Point From Closed Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
To: 70 Perdue				
From: 21 Cazalet	4.3	2,368	9,898	12,938
19 Keppel	7.1	3,919	19,282	24,472
45 Feudal	22.6	12,439	72,466	88,761
25 Leney	28.5	15,669	102,512	119,730
22 Catherwood	37.5	20,612	124,102	135,698
<u>Total</u>	100.0	55,007	328,260	381,599
To: 68 Harris				
From: 21 Cazalet	0.3	167	700	915
22 Catherwood	0.4	198	1,193	1,305
25 Leney	0.5	286	1,873	2,187
33 Valley Centre	11.4	6,394	37,019	52,821
39 Marriott	15.9	8,895	62,272	65,180
45 Feudal	21.3	11,928	69,485	85,110
31 Bents	50.2	28,112	155,639	192,150
<u>Total</u>	100.0	55,980	328,181	399,668
To: 34 Traynor				
From: 15 Wolfe	6.2	5,069	27,251	38,997
26 Lett	15.2	12,410	47,377	61,961
20 Salter	24.0	19,631	75,097	96,983
61 Cando	54.6	44,542	232,278	207,307
<u>Total</u>	100.0	81,652	382,003	405,248
To: 73 Wilkie				
From: 61 Cando	0.8	478	2,493	2,225
16 Porter	0.5	343	1,314	2,338
15 Wolfe	0.5	334	1,796	2,570
54 Leipzig	1.4	890	5,660	6,584
13 Cathkin	5.1	3,245	19,273	27,191
29 Ibstone	9.6	6,068	25,527	42,125
24 Cavell	11.7	7,393	45,705	57,391
30 Cloan	13.4	8,449	51,969	58,134
32 Thackeray	26.1	16,456	101,216	135,483
23 Reford	30.9	19,507	154,897	159,259
<u>Total</u>	100.0	63,163	409,850	493,300

*See footnotes at end of table

(continued)

TABLE 4.3 DIVERSIONS (TO-FROM) OF ACREAGES AND BUSHEL'S CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70
(continued)

To Diversion Point From Closed Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
To: 67 Plenty				
From: 54 Leipzig	0.2	169	1,078	1,254
53 Springwater	2.6	2,150	11,071	13,287
55 Ruthilda	8.2	6,707	43,109	43,798
28 Downe	11.0	8,973	70,864	72,495
14 Hood	8.8	7,116	47,590	74,304
59 Handel	27.0	21,966	138,720	167,735
46 Kelfield	42.2	34,326	165,405	187,057
<u>Total</u>	100.0	81,407	477,837	559,930
To: 74 Biggar				
From: 55 Ruthilda	0.5	662	4,254	4,322
45 Feudal	0.7	831	4,844	5,932
39 Marriott	1.1	1,375	9,630	10,079
31 Bents	1.8	2,149	11,895	14,685
25 Leney	1.6	1,985	12,985	15,167
20 Salter	2.6	3,195	12,221	15,783
53 Springwater	3.8	4,635	23,864	28,640
26 Lett	5.4	6,604	25,212	32,973
18 Oban	9.7	11,895	54,892	56,964
19 Keppel	9.9	12,076	59,422	75,414
17 Argo	8.5	10,399	39,509	88,943
21 Cazalet	14.5	17,652	73,786	96,446
33 Valley Centre	12.5	15,318	88,682	126,536
47 Duperow	27.4	33,446	174,611	188,814
<u>Total</u>	100.0	122,222	595,807	760,698
To: 69 Landis				
From: 23 Reford	0.1	185	1,465	1,507
46 Kelfield	1.4	1,978	9,531	10,779
18 Oban	1.9	2,736	12,626	13,103
55 Ruthilda	1.5	2,118	13,613	13,831
13 Cathkin	1.2	1,702	10,108	14,260
15 Wolfe	1.3	1,859	9,995	14,303
42 Duperow	2.9	4,030	21,040	22,752
26 Lett	6.1	8,502	32,460	42,452
24 Cavell	6.8	9,449	58,419	73,355
53 Springwater	24.3	33,926	174,676	209,635

*See footnotes at end of table

(continued)

TABLE 4.3 DIVERSIONS (TO-FROM) OF ACREAGES AND BUSHELs CONDITIONAL ON THE CLOSING OF SPECIFIED DELIVERY POINTS, BASIS 1969-70
(concluded)

To Diversion Point From Closed Point	Percent Diverted	Acres Diverted 1969-70	Bushels Diverted	
			1969-70	10-yr. Average 1960-61 to 1969-70
To: 69 Landis (continued)				
From: 59 Handel	23.8	33,226	209,822	253,710
54 Leipzig	28.7	40,062	254,984	296,593
<u>Total</u>	100.0	139,773	808,739	966,280
Study Area Total		990,420	5,518,362	6,428,095

*In addition to acres and bushels diverted to Langham and Rosetown by points within the Biggar region, these towns made the following gains from delivery points assumed to be closed in other regions:

1. Langham acquired 8,552 acres from two points in the Rosthern region, and this acreage provided Langham with 56,607 diverted bushels for 1969-70 and a ten-year average of 93,939 diverted bushels.
2. Rosetown obtained 18,858 acres from two points in the Eston-Elrose region. This acreage gave Rosetown 144,799 diverted bushels for 1969-70 and a ten-year average of 187,954 diverted bushels.

Borden was not affected by diversions in the Shellbrook-Turtleford region.

Size of Hinterlands Before and After Diversion

Table 4.4 shows expected increases in acreages for the hinterlands of points that are assumed to remain open after diversion. Revenue gains the least in both absolute and relative terms, 327 acres or 0.8 percent. Landis gains the most absolutely, 139,773 acres, and Traynor gains the most relatively, 506.9 percent. On the average, acreage diversion increases the size of the 25 diversion points by 57.6 percent.

TABLE 4.4 SIZE OF HINTERLANDS BEFORE AND AFTER DIVERSION, BASIS 1969-70

Diversion Point	Before Diversion	Acreage Increase	After Diversion	Percent Increase
	Original Size 1969-70		Enlarged Size	
	- acres -	- acres -	- acres -	
41 Revenue	38,861	327	39,188	0.8
51 Kinley	58,983	2,363	61,346	4.0
57 Tessier	38,754	6,773	45,527	17.5
44 Druid	34,909	6,204	41,113	17.8
38 Phippen	28,625	7,612	36,237	26.6
* Langham	63,321	9,099	72,420	14.4
40 Anglia	28,639	11,182	39,821	39.0
60 Zealandia	80,783	12,143	92,926	15.0
64 Scott	43,527	11,595	55,122	26.6
63 Herschel	114,031	14,758	128,789	12.9
* Borden	109,885	12,995	122,880	11.8
66 Asquith	108,433	16,808	125,241	15.5
* Rosetown	156,690	19,714	176,404	12.6
50 Rockhaven	92,453	30,314	122,767	32.8
71 Battleford	79,729	44,330	124,059	55.6
58 Arelee	66,469	53,023	119,492	79.8
56 Stranraer	46,318	47,266	93,584	102.0
62 Sonningdale	66,978	84,710	151,688	126.5
70 Perdue	60,801	55,007	115,808	90.5
68 Harris	77,298	55,980	133,278	72.4
34 Traynor	16,108	81,652	97,760	506.9
73 Wilkie	125,857	63,163	189,020	50.2
67 Plenty	70,136	81,407	151,543	116.1
74 Biggar	260,085	122,222	382,307	47.0
69 Landis	108,475	139,773	248,248	128.9
Study Area Total	1,646,252 ^a	990,420 ^b	2,594,864 ^a	57.6

*Langham gained a total of 17,651 acres or 27.9 percent: 9,099 acres or 14.4 percent from the Biggar region and 8,552 acres or 13.5 percent from the Rosthern region. Rosetown gained a total of 38,572 acres or 24.6 percent: 19,714 acres or 12.6 percent from the Biggar region and 18,858 acres or 12.0 percent from the Eston-Elrose region. Borden was unaffected by diversion in the Shellbrook-Turtleford region and thus gained 12,995 acres or 11.8 percent only from the Biggar region.

^aThese totals account only for points affected by diversion in the Biggar study region. Not included are acreages before diversion for Rosetown, Borden and Langham from the Eston-Elrose, Shellbrook-Turtleford and Rosthern regions respectively.

^bThis total accounts for all acreages diverted from the Biggar region.

Throughput Ratios Before and After Diversion

Rationalization of the present grain collection system assumes that 33 of the present delivery points in the Biggar area will be closed, thereby reducing elevator capacity by 3,051,000 bushels or 28 percent. If no further storage is built, the throughput ratios that could result from diversion are given in Table 4.5.¹

Twenty-five delivery points are deemed to be affected by rationalization in the Biggar region. For the period from 1960-61 to 1969-70, 1 point had a throughput ratio of less than 1.0, 17 points had ratios from 1.0 to 1.9, and 7 points had ratios from 2.0 to 2.2. After diversion, it is estimated that ratios will be below 2.0 at 9 points, from 2.0 to 2.9 at another 9 points, and 3.0 or more at the remaining 7 points. On the basis of 1969-70, the highest ratio, 8.4, will occur at Traynor and represent an increase of almost 6 1/2 times the ratio there before diversion. Based on the ten-year average, rationalization should raise the throughput ratio of the study area from 1.7 to 2.3.

With present elevator facilities, Traynor would experience the most difficulty in handling the additional throughput after diversion. To attain a throughput ratio of 9.7 at Traynor, the two elevators there would need to increase the present annual turnover of 117,000 bushels to 524,000 bushels. This would require taking delivery of and shipping an average of 10,000 bushels or 5 boxcars each week of the year while having available a storage capacity of only 54,000 bushels.

¹Throughput ratios for all delivery points before diversion are shown in Table 3.7.

TABLE 4.5 THROUGHPUT RATIOS BY DELIVERY POINT BEFORE AND AFTER DIVERSION,
BASIS 1969-70 AND PREVIOUS TEN-YEAR AVERAGE

Diversion Point	Before Diversion		After Diversion	
	Actual 1969-70	Ten-Year Average 1960-61 to 1969-70	1969-70	Ten-Year Average 1960-61 to 1969-70
<i>Open Points Unaffected by Diversion</i>				
37 Prongua	1.2	2.0	1.2	2.0
43 Grandora	1.7	2.1	1.7	2.1
49 Laura	1.8	1.8	1.8	1.8
52 Broadacres	1.4	1.8	1.4	1.8
65 Tramping Lake	1.4	1.7	1.4	1.7
72 Delisle	1.3	1.3	1.3	1.3
<i>Open Points Affected by Diversion</i>				
41 Revenue	1.4	2.0	1.4	2.0
51 Kinley	1.7	1.6	1.7	1.7
57 Tessier	1.4	1.4	1.6	1.6
44 Druid	1.4	1.7	1.7	2.0
38 Phippen	1.0	1.3	1.2	1.6
* Langham	2.0	1.9	2.3	2.3
40 Anglia	1.0	1.3	1.4	1.7
60 Zealandia	1.6	1.3	1.7	1.5
64 Scott	1.6	1.9	2.0	2.5
63 Herschel	1.3	1.4	1.5	1.6
* Borden	1.6	1.5	1.8	1.8
66 Asquith	3.3	1.9	3.8	2.4
* Rosetown	1.2	0.9	1.3	1.1
50 Rockhaven	2.8	2.0	3.4	2.7
71 Battleford	3.0	2.1	4.2	4.0
58 Arelee	1.4	1.6	2.5	2.8
56 Stranraer	1.4	1.6	2.7	2.9
62 Sonningdale	2.3	2.0	5.5	5.2
70 Perdue	2.3	2.0	4.5	4.5
68 Harris	1.5	1.2	2.3	2.3
34 Traynor	1.3	2.2	8.4	9.7
73 Wilkie	2.3	2.0	3.4	3.4
67 Plenty	1.7	1.7	3.1	3.3
74 Biggar	1.4	1.1	2.0	1.9
69 Landis	1.6	1.5	3.4	3.7
Total Study Area	1.6 ^a	1.7 ^a	2.3 ^b	2.3 ^b

*Ratios shown for Langham, Rosetown and Borden are only for bushelages diverted from the Biggar region. The diversion of bushelages from both the Biggar region and the Rosthern region to Langham and from the Biggar and Eston-Elrose regions to Rosetown would have the following effects: (1) 1969-70 throughput ratios after diversion of 2.6 at Langham and 1.5 at Rosetown, and (2) ten-year average throughput ratios after diversion of 2.7 at Langham and 1.2 at Rosetown. Borden is only affected by diversion from the Biggar region.

^aAverage throughput ratio of all points shown open in Table 3.7. Langham, Rosetown and Borden are not included.

^bLangham, Rosetown and Borden are included on the basis of bushelages diverted from the Biggar region only.

Farm-to-Elevator Hauling Distance Before and After Diversion

Table 4.6 presents a comparison of maximum and average hauling distances before and after diversion for both points assumed to be closed and points assumed to remain open. The changes in maximum and average mileages resulting from diversion are also shown.

In the study area, diversion increased the average farm-to-elevator hauling distance from 7.08 miles to 10.39 miles, a difference of 3.31 miles. For points assumed to be closed, diversion raised the average hauling distance from 5.63 to 13.07 miles, a difference of 7.44 miles. Before diversion, the shortest average hauling distance was 3.30 miles at Wolfe, and the longest average hauling distance was 12.34 miles at Biggar. Of the points remaining open after diversion, Prongua had the shortest average hauling distance, 4.22¹ miles; whereas Biggar had the longest average hauling distance, 12.95 miles.

Average hauling distances became considerably greater for all points assumed to be closed. The biggest increase occurred at Baljennie where the average mileage rose from 5.46 miles to 19.02 miles, an increase of 13.56 miles. The maximum hauling distance for the points assumed to be closed increased from 25 to 26 miles.

¹The fact that average hauling distances actually decreased slightly at several points can be explained by the acreages added in relation to the shape of the hinterlands (Figure 4.2). Since average hauling distance is weighted by the number of quarter sections (see commentary for Table 3.15), adding more sections close to the delivery point results in the average being pulled downwards.

TABLE 4.6 FARM-TO-ELEVATOR HAULING DISTANCES BY DELIVERY POINT BEFORE AND AFTER DIVERSION, BASIS 1969-70

Delivery Point	Before Diversion 1969-70		After Diversion Basis 1969-70		Change	
	Maximum	Average	Maximum	Average	Maximum	Average
- miles -						
<i>Points Assumed Closed</i>						
15 Wolfe	8	3.30	13	9.30	+5	+6.00
18 Oban	15	4.68	15	12.73	0	+8.05
13 Cathkin	9	3.56	17	10.61	+8	+7.05
16 Porter	13	6.84	20	12.74	+7	+5.90
17 Argo	12	6.11	20	12.95	+8	+6.84
19 Keppel	12	4.29	19	12.07	+7	+7.78
14 Hood	10	5.19	13	6.79	+3	+1.60
20 Salter	15	5.72	19	13.66	+4	+7.94
42 Baljennie	10	5.46	26	19.02	+16	+13.56
21 Cazalet	16	6.56	18	11.38	+2	+4.82
24 Cavell	11	3.97	15	10.25	+4	+6.28
26 Lett	15	4.82	17	11.45	+2	+6.63
22 Catherwood	14	4.33	16	8.59	+2	+4.26
25 Leney	18	6.44	18	7.28	0	+0.84
35 Environ	11	4.18	14	8.21	+3	+4.03
29 Ibstone	14	6.49	20	15.64	+6	+9.15
28 Downe	18	4.62	20	10.74	+2	+6.12
31 Bents	20	4.26	20	12.80	0	+8.54
23 Reford	17	3.95	14	8.38	-3	+4.43
46 Kelfield	13	4.81	21	14.44	+8	+9.63
32 Thackeray	16	4.89	19	9.41	+3	+4.52
45 Feudal	13	4.70	19	11.25	+6	+6.55
47 Duperow	15	6.22	22	16.11	+7	+9.89
33 Valley Centre	19	7.46	22	16.67	+3	+9.21
48 Struan	15	5.63	16	7.41	+1	+1.78
30 Cloan	14	5.75	19	10.39	+5	+4.64
27 Ceepee	17	7.64	15	10.11	-2	+2.47
55 Ruthilda	16	6.63	22	15.47	+6	+8.84
53 Springwater	14	5.81	22	16.70	+8	+10.89
54 Leipzig	14	5.13	23	13.38	+9	+8.25
39 Marriott	25	6.45	21	13.47	-4	+7.02
61 Cando	17	7.28	23	16.02	+6	+8.74
59 Handel	12	4.88	26	18.41	+14	+13.53
<i>Points Remaining Open</i>						
37 Prongua	17	4.22	17	4.22	0	0.00
43 Grandora	13	4.89	13	4.89	0	0.00
49 Laura	13	5.05	13	5.05	0	0.00
52 Broadacres	13	4.64	13	4.64	0	0.00
65 Tramping Lake	21	5.81	21	5.81	0	0.00
72 Delisle	22	6.55	22	6.55	0	0.00

(continued)

TABLE 4.6 FARM-TO-ELEVATOR HAULING DISTANCES BY DELIVERY POINT BEFORE AND AFTER DIVERSION, BASIS 1969-70 (concluded)

Delivery Point	Before Diversion		After Diversion		Change	
	1969-70		Basis 1969-70			
	Maximum	Average	Maximum	Average	Maximum	Average
- miles -						
41 Revenue	13	5.63	13	5.64	0	+0.01
51 Kinley	16	6.36	16	6.35	0	-0.01
57 Tessier	14	4.71	14	5.22	0	+0.51
44 Druid	17	6.07	17	6.41	0	+0.34
38 Phippen	10	4.44	10	5.07	0	+0.63
* Langham	28	8.00	28	8.02	0	+0.02
40 Anglia	23	6.21	23	8.65	0	+2.44
60 Zealandia	30	6.56	30	7.06	0	+0.50
64 Scott	18	5.33	18	6.01	0	+0.68
63 Herschel	26	8.95	26	10.07	0	+1.12
* Borden	25	10.45	25	10.40	0	-0.05
66 Asquith	19	7.63	19	7.89	0	+0.26
* Rosetown	28	9.63	28	10.34	0	+0.71
50 Rockhaven	20	8.23	20	8.55	0	+0.32
71 Battleford	24	10.37	24	12.28	0	+1.91
58 Arelee	18	6.47	18	7.22	0	+0.75
56 Stranraer	15	5.51	22	9.93	+7	+4.42
62 Sonningdale	18	6.40	26	11.02	+8	+4.62
70 Perdue	20	7.81	20	8.55	0	+0.74
68 Harris	21	7.22	21	9.36	0	+2.14
34 Traynor	12	4.48	23	12.68	+11	+8.20
73 Wilkie	26	9.85	26	10.25	0	+0.40
67 Plenty	21	7.01	26	11.02	+5	+4.01
74 Biggar	29	12.34	29	12.95	0	+0.61
69 Landis	24	7.60	25	11.63	+1	+4.03
Total Study Area	30	7.08 ^a	30	10.39 ^b	0	+3.31

*Figures for Langham and Rosetown shown here do not include the mileages that these towns gained from the Rosthern and Eston-Elrose regions respectively. With diversions from those regions as well as from the Biggar region taken into account, the average haul at Langham became 8.22 miles, a decrease of 0.01 miles, and the average haul at Rosetown became 10.63 miles, a decrease of 0.94 miles. Borden was affected by diversion only in the Biggar region.

^aLangham, Rosetown and Borden are not included.

^bLangham, Rosetown and Borden are included on mileage computed from the Biggar region only.

Number of Permit Holders Before and After Diversion

If the alternative grain collection system assumed in this report materializes, there will be adjustments in the number of permit holders at affected delivery points. Based on number of permits issued in 1969-70, estimates have been made for the probable number of permits at points remaining open after diversion (Table 4.7), these estimates being derived from the distribution percentages of Table 4.2 in the same manner as estimates for acreage and bushelage diversion. It is supposed that no reduction in the number of producers will result from rationalization.

A total of 1,296 permit holders, 33.7 percent of 3,842 permit holders in the study area, excluding Langham, Borden and Rosetown, would find it necessary to choose an alternate delivery point. The greatest gain should occur at Landis where the number of permit holders is expected to rise from 138 before diversion to 317 after diversion, a gain of 179. At Traynor, the estimated increase in the number of permit holders is from 23 to 131 or almost sixfold.

TABLE 4.7 NUMBER OF PERMIT HOLDERS BY DELIVERY POINT BEFORE AND AFTER DIVERSION, BASIS 1969-70

Delivery Point	Number of Permit Holders	
	Before Diversion	After Diversion
<i>Points Assumed Closed</i>		
15 Wolfe	11	0
18 Oban	15	0
13 Cathkin	14	0
16 Porter	21	0
17 Argo	13	0
19 Keppel	29	0
14 Hood	17	0
20 Salter	25	0
42 Baljennie	50	0
21 Cazalet	31	0
24 Cavell	25	0
26 Lett	35	0
22 Catherwood	26	0
25 Leney	26	0
35 Environ	46	0
29 Ibstone	47	0
28 Downe	24	0
31 Bents	35	0
23 Reford	44	0
46 Kelfield	38	0
32 Thackeray	34	0
45 Feudal	34	0
47 Duperow	44	0
33 Valley Centre	35	0
48 Struan	74	0
30 Cloan	41	0
27 Ceepee	66	0
55 Ruthilda	47	0
53 Springwater	51	0
54 Leipzig	61	0
39 Marriott	50	0
61 Cando	115	0
59 Handel	72	0
<i>Points Remaining Open</i>		
37 Prongua	45	45
43 Grandora	39	39
49 Laura	58	58
52 Broadacres	66	66
65 Tramping Lake	113	113

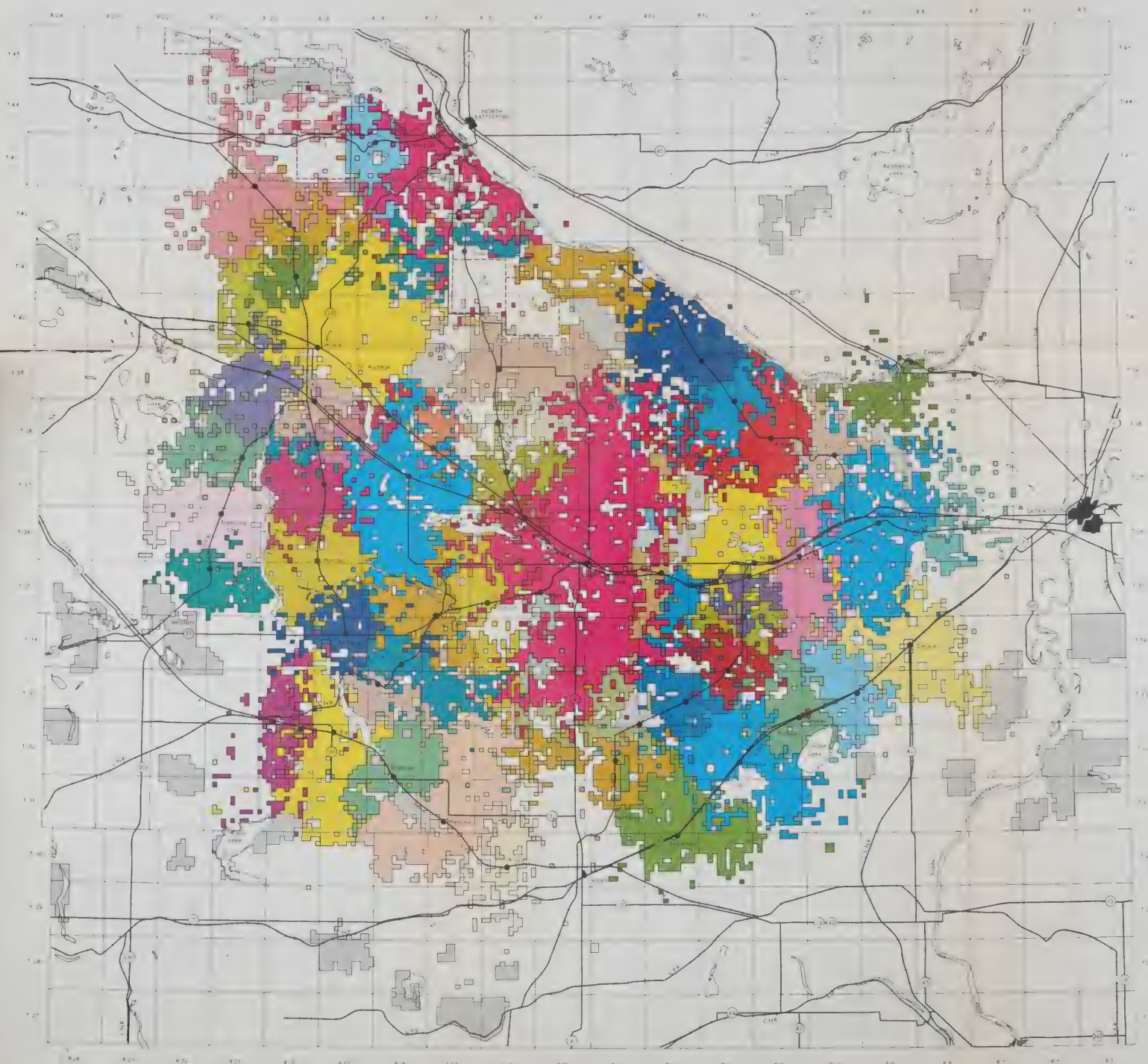
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TABLE 4.7 NUMBER OF PERMIT HOLDERS BY DELIVERY POINT BEFORE AND AFTER DIVERSION, BASIS 1969-70 (concluded)

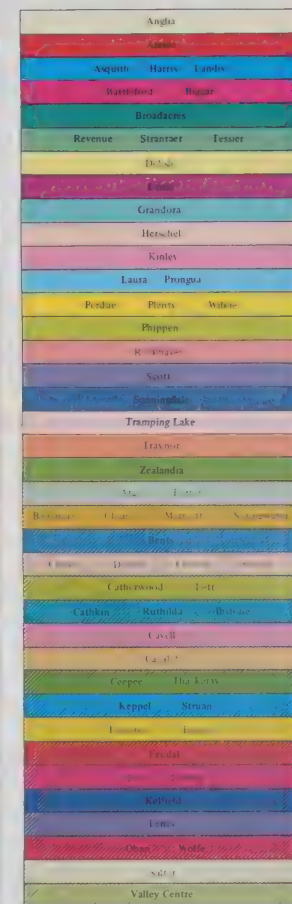
Delivery Point	Number of Permit Holders	
	Before Diversion	After Diversion
72 Delisle	106	106
41 Revenue	62	64
51 Kinley	75	78
57 Tessier	41	49
44 Druid	48	56
38 Phippen	36	46
* Langham	122	140
40 Anglia	36	48
60 Zealandia	93	107
64 Scott	52	70
63 Herschel	135	153
* Borden	188	214
66 Asquith	139	167
* Rosetown	196	218
50 Rockhaven	115	148
71 Battleford	107	179
58 Arelee	102	188
56 Stranraer	63	111
62 Sonningdale	110	230
70 Perdue	94	162
68 Harris	88	153
34 Traynor	23	131
73 Wilkie	164	255
67 Plenty	82	174
74 Biggar	316	463
69 Landis	138	317
Study Area Total	4,348 ^a	4,348 ^a











*Langham received an additional 20 permit holders from points in the Rosthern region and Rosetown received an additional 21 permit holders from points in the Eston-Elrose region, making totals of 160 and 239 permit holders respectively. Borden was affected by diversion only in the Biggar region.

^aLangham, Rosetown and Borden included.



LEGEND

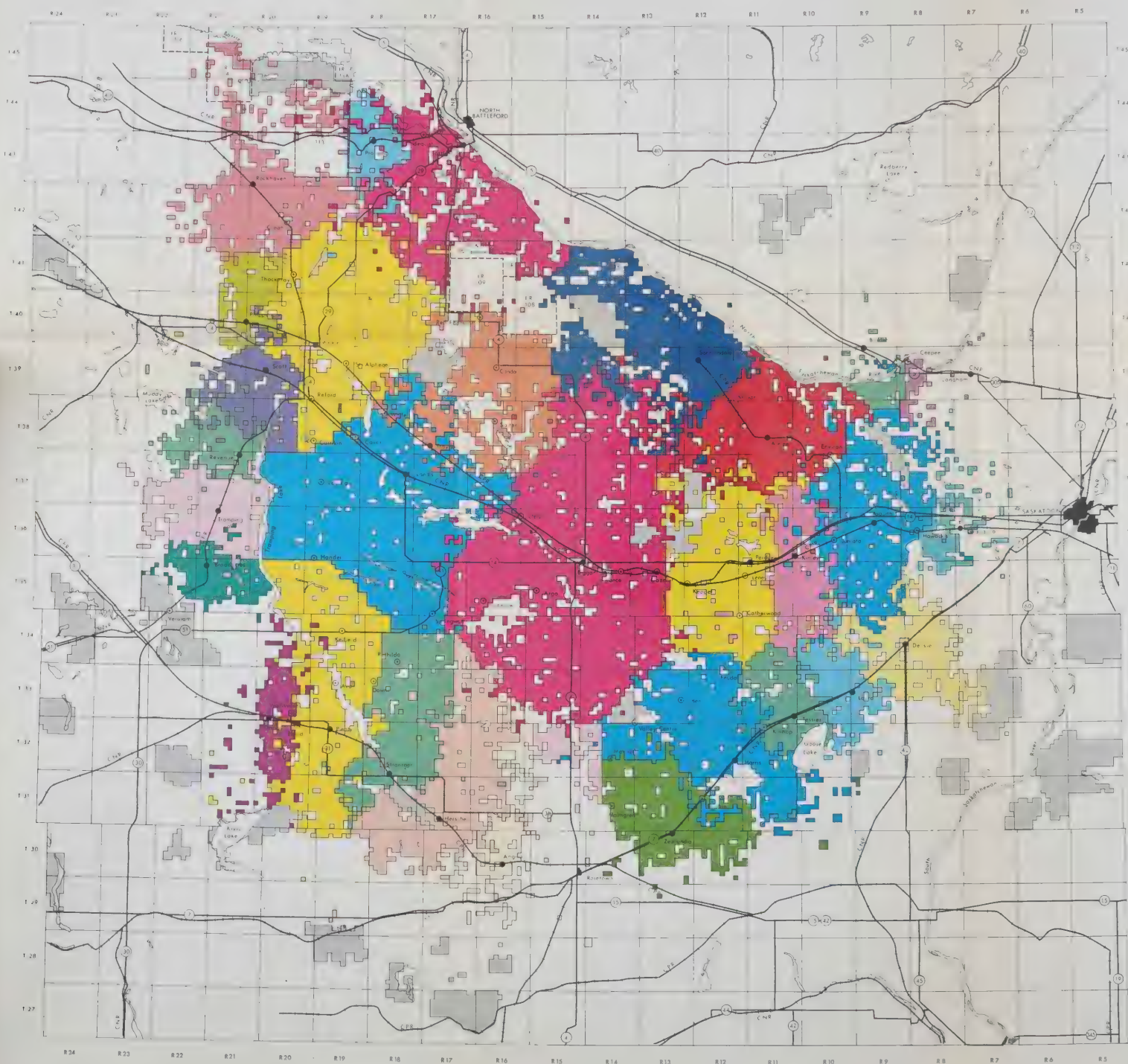


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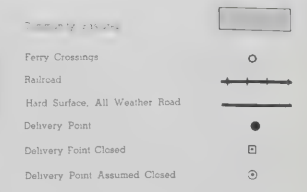
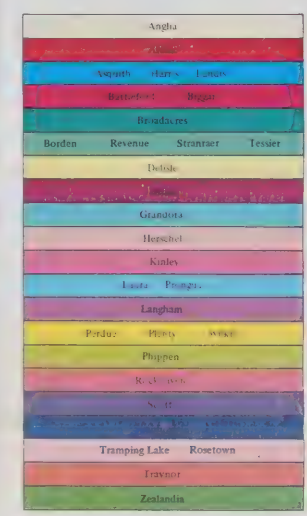
**Grain Delivery Point Hinterlands,
Biggar Region of Saskatchewan,
1969-70**



Cartography by Keith Consulting Engineers, Regina, Sask



LEGEND



**Probable Grain Delivery Point
Hinterlands, Assuming Specified
Delivery Points Closed
Biggar Region of Saskatchewan,
Basis 1969-70**



Cartography by Keith Consulting Engineers, Regina, Sask.

PART V

REGULATION OF THE GRAIN INDUSTRY

There is an inherent unfairness in a situation where a large number of sellers face a few buyers. In Western Canada the existence of such a situation has led to the very high degree of regulation which characterizes the grain marketing industry today: grain elevators are regulated by the Canadian Grain Commission; grain marketers including the producers are regulated by the Canadian Wheat Board; and grain carriers--railways, truckers and lake vessel operators--are regulated by the Canadian Transport Commission as well as by the Canadian Grain Commission and the Canadian Wheat Board.

The following outline of the activity of the above regulatory bodies is not intended to be exhaustive by any means; however, the most important regulations applying to producers, elevator operators and railways are covered. Because these regulations significantly influence the welfare of prairie farms and communities, they are complementary to the Prairie Regional Studies in Economic Geography.

Canada Grain Act, Revised Statutes of Canada 1970 Ch. G-16

The Canadian Grain Commission superseded the Board of Grain Commissioners for Canada on April 1, 1971, by virtue of an amended Canada Grain Act passed by the federal government in 1970. The definition of an elevator is one of several important changes in the Act (Section 2). For licensing purposes it is no longer required that an elevator be situated on a railway right-of-way. All premises which receive, weigh, elevate, store and discharge bulk grain into a transport conveyance and which meet certain construction standards specified by the Commission may be licensed to handle western grain.

For regulatory purposes the once familiar term, "country elevator", has been changed to "primary elevator" and is now defined as "an elevator the principal use of which is the receiving of grain directly from producers".

All costs of the Commission are borne by the federal treasury. The commissioners and their staff are public servants.

In the interests of the producers, the Commission establishes and maintains standards of quality for Canadian grain. Any grade or dockage dispute between producer and buyer is settled by sending a small sample of the grain to the Commission. Elevator operators must give farmers every opportunity to verify the weights of their grain.

The Commission may consent to the mixing of different grades of grain in terminal and transfer elevators. Without this consent no mixing is permitted. The Commission periodically checks the inventory of grain in all elevators.

Only a public carrier may transport grain described by an official grade name across a provincial boundary. Only a public carrier may transport grain from Western Canada to Eastern Canada or out of Canada. Public carriers may not deliver grain to primary elevators without the consent of the Commission.

Grain producers who qualify to ship a complete carload of grain to a terminal or a transfer elevator may have a rail car allocated to them for this purpose by the Commission. Where it is in the public interest so to do, the federal cabinet may order a railway company to spot cars for transporting grain at any point where service is provided. In such cases the grain producer has the right to select the elevator of his choice or to load directly into the rail car.

The car order book is no longer used as the legal instrument to ensure equity in rail car supply.

To provide for the orderly movement of grain, the Commission may issue regulations governing the activities of all licensed elevators.

The Commission may set maximum freight rates for the carriage of Canadian grain by lake vessel between points in Canada. This authority is given to the Commission by the Inland Water Freight Rates Act.

Canadian Wheat Board Act, Revised Statutes of Canada 1970 Ch. C-12

The Canadian Wheat Board was created by the federal government in 1935 when the three prairie wheat pools, although they were backed by their respective provincial governments, could not withstand the tremendous financial pressures resulting from a great surplus of wheat on world markets and prices that were below production costs for wheat that was sold. Today the Board dominates the marketing of grain in Western Canada and makes an impact on the production of most crops grown there.

The Board consists of five commissioners appointed by the federal cabinet. Board members and support staff receive their salaries and wages from the proceeds of grain sold by farmers. In fact all the cost of operating the Board is borne by the grain producers.

The Board has permanent offices in Winnipeg, Vancouver, Montreal, Tokyo, Brussels and London, England. It uses the established grain export companies to make sales on an agency basis. There are 25 firms which export grain for the Board via the Lakehead and the eastern route and 17 firms which handle Board grain via ports on the Pacific Coast.

The Board has no assets of its own. It has no funds; it retains no profits. The money to pay for wheat, durum wheat, oats and barley delivered by the producers is obtained by borrowing from the chartered banks. The cost of this money is paid by the producers. The Board does not own or operate grain handling, storage or transportation facilities. It contracts with licensed primary elevator operators to act as buying and forwarding agents.

The object of the Board is to market grain in an orderly manner. This marketing function is limited to interprovincial and export trade. Grain grown and marketed within a province does not come under the jurisdiction of the Board although its authority does extend to all elevators, flour mills, feed mills, feed warehouses and seed cleaning mills.

The federal cabinet appoints an advisory committee, comprised of eleven members, at least six of them representing wheat producers.

Although the federal cabinet has authority to direct the Board how it is to operate, in practice it has a great deal of autonomy.

Elevators are operated for and on behalf of the Board. Only a Board agent may operate an elevator unless the Board excepts that elevator from provisions of the Canadian Wheat Board Act.

The Board has the authority to limit deliveries of grain by individual producers. This is accomplished by the issuing of permit books, by the fixing of delivery quotas at specified delivery points, and by some special delivery quotas for selected grain.

A bona fide grain producer is entitled to have a permit book issued to him by the Board. "Producer" includes the actual producer and any person entitled to the grain such as a landlord, a vendor or a mortgagee. The actual producer of the grain has the prior right to possession of the permit book and only one permit book may be issued per farm. Where two or more producers are entitled to the grain from a farm, no one of them may deliver in excess of his proper share of the delivery quota.

Only a producer may deliver grain to a licensed elevator subject to the provisions that he holds a permit book and that he goes to one of the two delivery points named in his permit book or to one of the Canadian government's inland terminal elevators. While the Board has authority to designate delivery points, usually the producers are permitted to choose them.

The quantity of grain accepted from producers by elevator companies must not exceed the quota established at the time of delivery for the kind of grain being offered and for the point stipulated. A record of all deliveries must be entered in permit books.

The Board must buy whatever wheat, durum wheat, oats, and barley is offered by a bona fide producer provided that he has complied with all the orders and regulations of the Board. It must pay the appropriate initial payment on delivery. Generally this is done by the elevator operator acting on behalf of the Board. Payment for his costs is made upon the grain being delivered to the Board at a terminal or mill elevator.

A record of each grain delivery and the payment made, is entered in an accounting pool along with similar records for all other grain of like kind and grade marketed in the same crop year. Every producer shares in an equitable distribution of surplus funds in the pool at the end of its accounting period which coincides with the crop year.

Only grain taken into an elevator in accordance with orders and regulations of the Board may be loaded into a railway car.

The Board has the authority to order grain by grade located from elevators into railway cars or lake vessels. Grain is thus shipped out of country elevators according to orders issued by the Board to its agents, the elevator operators. The Board also has authority to prohibit the movement of any kind of grain from an elevator. It may allocate railway cars to specific persons or elevators at specific delivery points. In the ordinary course of events, however, it refrains from being so specific, preferring to allocate shipping orders and cars en masse to its agents for the movement of grain from elevators situated in specified loading blocks.

At the present time only grain produced in the so-called designated area comes under the jurisdiction of the Board, but this amounts to most of the grain produced in Canada. The designated area comprises all of Manitoba, Saskatchewan and Alberta, a small area in the Rainy River region of Ontario near the Manitoba border, and the Peace River and Creston-Wynndel areas of British Columbia.

After the Board has received payment for the wheat, durum wheat, oats and barley delivered to it, all charges against those crops are deducted before the remaining money is distributed in the form of a final payment to producers. These cheques are mailed from six to nine months after the pool has been closed for deliveries at the end of the crop year. The amount of the final payment depends on the grade of the grain and the price per bushel obtained by the Board.

The Board has authority to prohibit the export or import of wheat, durum wheat, oats and barley or any of their products. It may also prohibit the transportation of these grains from one province to another. Only the Board may contract for the sale of these grains if they are destined to any place outside the province in which they were grown. It may grant licenses for wheat, durum wheat, oats and barley to be exported, imported or moved across provincial boundaries.

Temporary Wheat Reserves Act, Statutes of Canada 1956 Ch. 2

According to the Minister of Trade and Commerce at the time, this Act was passed by the government of Canada in 1956 in lieu of establishing a two-price system for grain.

The legislation made the federal government responsible for paying the costs of storage and bank interest for 365 days on wheat and durum wheat in excess of 178 million bushels that was held by the Canadian Wheat Board and that was in commercial storage at the opening of business on August 1, the start of each crop year. The rates paid per bushel were those prevailing on July 31, the last day of the previous crop year.

The purpose of the Act was to save the Canadian Wheat Board and, thereby, producers in Western Canada from the payment of carrying costs on abnormally large stocks of wheat and durum wheat. Without the Act, the Wheat Board might have been forced into panic selling in violation of its duty to market wheat in an orderly manner.

The federal treasury each month paid to the Canadian Wheat Board one-twelfth of the carrying charges on the excess stocks. This amount was prorated in the accounting pools and it was eventually paid out to producers as part of the final payment.

If the Wheat Board did not hold more than 178 million bushels at the beginning of a crop year, no payments were to be made for that or any following crop year. Such a situation occurred as of August 1, 1973, thus the Temporary Wheat Reserves Act became null and void. This is why the Act had the word "temporary" in its title.

National Transportation Act, Revised Statutes of Canada 1970 Ch. N-17

The National Transportation Act became law in 1967 with the declaration that "an economic and efficient transportation system, making the best use of all available modes of transportation at the lowest total cost, is essential to protect the interests of the users of transportation and to maintain the economic well-being and growth of Canada ...".

The Act dissolved the Board of Transport Commissioners for Canada and established the Canadian Transport Commission comprised of seventeen members. Under the new Commission several committees were formed. The one that affects grain production and marketing in Western Canada is the Railway Transport Committee. It has five members.

The commissioners are appointed by the government of Canada. They and their staff are federal civil servants.

The Commission administers the Railway Act. It regulates and licenses any mode of transport in Canada; it controls rates and tariffs and it dispenses transport subsidies voted by Parliament.

Any person believing that a particular rate set by a carrier is prejudicial to the public interest may apply to the Commission for permission to appeal the rate. If an appeal is allowed and hearings are held, representatives of shippers, consignees, municipal governments and provincial governments are entitled to appear. Should the Commission be convinced that the rate in question is against the public interest, it may make an order requiring the carrier to change the rate.

The greatest impact of the National Transportation Act on the grain production and marketing system comes from provisions covering the abandonment of uneconomic branch railway lines. The definition of branch lines includes all subsidiary, secondary, local or feeder lines and segments of branch lines.

The Commission sets the rules governing the filing of abandonment applications and the determination of whether or not the branch line in the application is truly eligible for abandonment on economic grounds.

The Commission holds public hearings on the question of branch line abandonment and listens to all persons who wish to present their views. On the basis of the application and the hearing, the Commission determines if the branch line is uneconomic, if it is likely to remain so and if it should be abandoned. Only lines that incurred an operating loss in the last accounting year may be permitted to discontinue.

A hearing may cover several applications at the same time if the branch lines are in the same or adjoining areas. The Commission has authority to decide the order in which applications are considered. It may, however, ask the railway company for its order of preference.

In determining whether or not a branch line may be abandoned, some factors considered by the Commission are as follows: the public interest; the actual losses incurred; the alternative transportation facilities; the adjustment period required; the disruption to the economy of the communities and the area; the effect on other lines and other carriers; the feasibility of maintaining the line or any part of it by a) changing the method of operation, b) inter-connecting with another line, c) sale or lease of the line or part of it to another railway company, d) exchanging running rights, and e) constructing connecting lines with lines of another company; the known or potential resources of the area; the seasonal restrictions on other forms of transport; and the future transportation needs of the area.

When the Commission decides that a branch line or a segment of it is to be abandoned, a closing date is set from one month to five years after the issuance of the abandonment order. The railway company must cease its operation of the branch line on the specified date.

Where the Commission is not satisfied that a line should be abandoned, it orders the railway to continue its operation; however, the abandonment application is reconsidered periodically in the light of any new conditions that may arise.

Even though no applications for abandonment of certain branch lines have been filed, the Commission may recommend the rationalization of railway lines through the exchange of branch lines between companies, through the exchange of running rights on other lines and through the connecting of lines of rival companies. The Commission may also recommend to the rail companies that applications for abandonment of branch lines be filed.

Where the Commission has determined that a branch line is uneconomic but the line continues to operate, the railway company is entitled to claim for the actual loss accruing to that line in each fiscal year. The Commission in such cases examines the figures in the claim and recommends to the Minister of Finance that the particular rail company be paid the verified amount of the loss.

The federal cabinet may designate specific branch lines that may not be abandoned for fixed periods of time. This was done for the so-called protected lines that may not be closed before January 1, 1975. If losses are incurred in the operation of such lines, a railway company may claim for losses even though no application has been filed. On the recommendation of the Commission, the claim may be paid.

The National Transportation Act confirms the statutory freight rates on grain set by the "Act to Authorize a Subsidy for a Railroad through the Crows Nest Pass" S.C. 1897 Ch. 5. For the first time statutory freight rates are established on grain moving by rail from prairie points to the Pacific Coast ports and Churchill for export at the levels prevailing on December 31, 1966. To change these rates now requires an Act of Parliament. Before the National Transportation Act was passed, the export freight rates to the Pacific were set by an order of the Board of Transport Commissioners and the level of these rates was established having regard to the Crows Nest rates on grain moving eastward to the Lakehead.

APPENDIX

TABLE A.1 ALPHABETIC LIST OF COMMUNITIES AND THEIR RANK NUMBERS IN THE BIGGAR REGION

40 Anglia	29 Ibstone	48 Struan
58 Arelee	12 Juniata	57 Tessier
17 Argo	51 Kelfield	32 Thackeray
66 Asquith	19 Keppel	65 Tramping Lake
4 Ava	1 Kinhop	34 Traynor
42 Baljennie	51 Kinley	33 Valley Centre
71 Battleford	69 Landis	10 Vance
31 Bents	49 Laura	7 Verulam
74 Biggar	54 Leipzig	6 Wallisville
2 Brisbin	25 Leney	73 Wilkie
52 Broadacres	26 Lett	15 Wolfe
61 Cando	3 Lindequist	60 Zealandia
22 Catherwood	8 Malmgren	
13 Cathkin	39 Marriott	
24 Cavell	18 Oban	
21 Cazalet	70 Perdue	
27 Ceepee	38 Phippen	
30 Cloan	67 Plenty	
9 Dacer	16 Porter	
72 Delisle	37 Prongua	
28 Downe	36 Red Pheasant	
44 Druid	23 Reford	
47 Duperow	41 Revenue	
35 Environ	50 Rockhaven	
45 Feudal	55 Ruthilda	
43 Grandora	20 Salter	
59 Handel	64 Scott	
68 Harris	62 Sonningdale	
5 Hawoods	53 Springwater	
63 Herschel	11 St. Alphege	
14 Hood	56 Stranraer	

Other Specialized Services

36 Red Pheasant	Secondhand store
56 Stranraer	Golf course
61 Cando	Scrap iron dealer
62 Sonningdale	Cream can depot
63 Herschel	Experimental farm
64 Scott	Scrap iron dealer
66 Asquith	Snowmobile dealer
70 Perdue	Oil company office
71 Battleford	School bus depot, tow truck service, snowmobile dealer, hatchery, meat packer
72 Delisle	Court house, trailer court
73 Wilkie	Stockyard, propane dealer, car wash, bowling alley, golf course, swimming pool, jewelry store, accountant, photographer, trailer court, tourist information booth, newspaper delivery

Estimated Numbers of Quarter Sections and Permit Holders By Distance From Delivery Points Before and After Diversion

Table A.2 shows the estimated number of quarter sections in each hinterland by distance to a delivery point both before and after diversion. The number of quarter sections was obtained from hinterlands plotted on the basis of 1969-70, and the distance for each quarter section was measured in units of 1.0 mile after the manner described in the commentary for Table 3.15. Table A.3, which shows the estimated number of permit holders by their distance from a delivery point, was derived from Table A.2 by converting numbers of quarter sections to numbers of permits. In both tables, the delivery points are in two groups: namely, points assumed to be closed and points assumed to remain open. Their ordering is the same as it is in Part IV. For example, Table A.2 shows that Hood had 58 quarter sections in its hinterland in 1969-70 and that 16 of these were no more than 2 miles away. Hood was assumed to be closed and its acreage diverted to Druid and Plenty (Table 4.2). Only 2 quarter sections of the original Hood hinterland were then within 2 miles of a delivery point. Since Hood permit holders farm an average of 3.61 quarter sections, 16 quarter sections represent about 4.5 permit holders, and 2 quarter sections represent about 0.5 of a permit holder (Table A.3). From Table A.3, it is not possible to infer that the permit holders who hauled a certain distance before closure will haul the same distance after closure. For instance, it cannot be determined whether the 2.0 permit holders at Hood who hauled 3 to 4 miles before diversion are among the 3.0 permit holders who will haul 3 to 4 miles after diversion.

In further interpretation of these tables, the following relationships are noted:

1. The subtotals before diversion of the points assumed to be closed plus the subtotals before diversion of the points assumed to remain open are equal to the study area totals before diversion.
2. The subtotals after diversion of the points assumed to be closed plus the subtotals before diversion of the points assumed to remain open are equal to the subtotals after diversion of the points remaining open.
3. Since the points remaining open after diversion account for all quarter sections (and for all permit holders), their subtotals after diversion are equal to the study area totals after diversion.

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, BIGGAR REGION, 1969-70

Average No. of Quarters Per Permit ^a	Delivery Points	Distance in miles																										Total No. of Quarters
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	37 & 38	39 & 40	Over 40						
- number of quarter sections -																												
Points Assumed Closed																												
3.93	15 Wolfe Before Diversion After Diversion	21	8	11	3	9	17	9	3																			43 43
5.96	18 Oban Before Diversion After Diversion	29	30	13	8	2	2	2	6	1																		91 91
4.15	13 Cathkin Before Diversion After Diversion	22	16	14	4	1	16	19	14	0	1																	57 57
3.40	16 Porter Before Diversion After Diversion	5	9	17	15	15	3	2																				66 66
5.00	17 Argo Before Diversion After Diversion	13	10	9	10	14	6																					62 62
3.45	19 Keppel Before Diversion After Diversion	34	29	12	12	7	4	22	22	10	8	2																98 98
3.61	14 Hood Before Diversion After Diversion	16	7	13	12	10																						58 58
5.76	20 Salter Before Diversion After Diversion	18	32	36	31	14	5	1	1																			138 138
4.96	42 Baljennie Before Diversion After Diversion	36	50	61	38	3	6	8	25	17	26	38	50	36	14													223 223
4.83	21 Cazalet Before Diversion After Diversion	23	37	20	19	12	7	18	5																			141 141
4.25	24 Cavell Before Diversion After Diversion	27	47	24	4	5	1	24	1																			108 108

See footnotes at end of table (continued)

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, BIGGAR REGION, 1969-70 (continued)

Average No. of Quarters Per Permit ^a	Delivery Points	Distance in miles																				Total No. of Quarters
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	37 & 38	39 & 40	
		- number of quarter sections -																				
5.03	26 Lett Before Diversion After Diversion	33 2	49 7	53 16	29 36	9 0	1 46	1 46	1 20													175 175
4.32	22 Catherwood Before Diversion After Diversion	17 4	44 9	41 10	5 25	0 36	0 13	2 10	2													109 109
5.22	25 Leney Before Diversion After Diversion	24 6	33 24	39 38	6 32	7 8	5 7	3 11	7 4	10 4												134 134
3.96	35 Environ Before Diversion After Diversion	37 6	65 22	53 68	12 68	6 8	1 5															174 174
3.69	29 Ibstone Before Diversion After Diversion	6 6	40 22	42 35	3 10	29 11	11 22	1 22	35 60	23												164 164
6.42	28 Downe Before Diversion After Diversion	42 21	49 26	13 21	7 62	10 50	0 6	0 4	2 6													149 149
5.43	31 Bents Before Diversion After Diversion	44 4	79 37	13 4	6 17	0 30	2 34	2 41	0 27	0 21	3 10											184 184
3.51	23 Reford Before Diversion After Diversion	35 9	68 23	35 45	9 46	0 23	0 4	0 4	2 1													150 150
6.26	46 Kelfield Before Diversion After Diversion	44 5	74 22	61 5	22 20	18 41	6 44	2 50	50 15	2												227 227
5.14	32 Thackeray Before Diversion After Diversion	43 1	65 4	19 32	13 41	15 42	8 19	0 11	6 7	6 6												169 169
5.76	45 Feudal Before Diversion After Diversion	40 4	64 0	46 3	28 15	5 55	7 59	3 28	20 7	2												193 193

(continued)

See footnotes at end of table

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, BIGGAR REGION, 1969-70 (continued)

Average No. of Quarters Per Permit ^a	Delivery Points	Distance in miles																				Total No. of Quarters		
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	37 & 38	39 & 40		Over 40	
		- number of quarter sections -																						
6.09	47 Duperow Before Diversion After Diversion	29	54	61	59	24	21	5	3															256 256
5.28	33 Valley Centre Before Diversion After Diversion	15	30	39	31	22	16	16	6	1	2													178 178
3.68	48 Struan Before Diversion After Diversion	46	79	52	37	28	14	6	6															268 268
5.18	30 Cloan Before Diversion After Diversion	33	40	44	38	24	11	3																193 193
3.23	27 Ceepee Before Diversion After Diversion	15	25	36	53	37	28	10	5	1														210 210
6.04	55 Ruthilda Before Diversion After Diversion	35	66	50	31	31	35	18	4															270 270
5.71	53 Springwater Before Diversion After Diversion	39	69	74	54	26	21	7																290 290
4.49	54 Leipzig Before Diversion After Diversion	44	81	73	57	12	10	2																279 279
5.53	39 Marriott Before Diversion After Diversion	32	59	64	32	34	24	10	3	2	2	0	0	1										263 263
4.34	61 Cando Before Diversion After Diversion	47	85	103	69	54	51	32	21	5														467 467
4.66	59 Handel Before Diversion After Diversion	45	94	126	57	9	1	9	36	48	75	78	46	30	10									332 332

(continued)

See footnotes at end of table

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, BIGGAR REGION, 1969-70 (continued)

Average No. of Quarters Per Permit	Delivery Points	Distance in miles																				Total No. of Quarters
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	37 & 38	39 & 40	
		- number of quarter sections -																				
Subtotal of Points Assumed Closed																						
Before Diversion		989	1587	1404	859	521	308	150	71	22	7	0	0	1								5,919
After Diversion		23	107	312	592	822	888	899	786	722	460	213	71	24								5,919
Points Remaining Open																						
4.17	37 Prongua	41	78	44	7	11	1	0	1	1												184
	After Diversion	41	78	44	7	11	1	0	1	1												184
3.60	43 Grandora	21	43	48	21	8	0	1														142
	After Diversion	21	43	48	21	8	0	1														142
4.74	49 Laura	44	91	67	41	23	9	1														276
	After Diversion	44	91	67	41	23	9	1														276
3.54	52 Broadacres	45	71	61	26	17	1	1														222
	After Diversion	45	71	61	26	17	1	1														222
3.73	65 Tramping Lake	47	98	119	89	37	7	7	3	0	3	1								411		
	After Diversion	47	98	119	89	37	7	7	3	0	3	1								411		
4.46	72 Delisle	39	91	126	98	37	30	20	11	1	0	1								454		
	After Diversion	39	91	126	98	37	30	20	11	1	0	1								454		
3.83	41 Revenue	43	52	45	50	26	13	3														232
	After Diversion	43	52	46	51	26	13	3														234
4.81	51 Kinley	38	64	87	81	50	24	6	4													354
	After Diversion	38	66	93	86	50	25	6	4													368
6.05	57 Tessier	41	90	52	38	9	4	2														236
	After Diversion	45	90	55	46	29	10	2														277
4.60	44 Druid	31	52	49	34	16	11	9	7	1												210
	After Diversion	31	53	59	41	23	20	10	7	1												245

See footnotes at end of table (continued)

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, BIGGAR REGION, 1969-70 (continued)

Average No. of Quarters Per Permit ^a	Delivery Points	Distance in miles																												Total No. of Quarters
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	37 & 38	39 & 40	Over 40								
- number of quarter sections -																														
4.64	38 Phippen Before Diversion After Diversion	29 30	61 65	40 52	24 40	7 21																							161 208	
3.24	* Langham Before Diversion After Diversion	34 35	61 61	64 78	56 76	70 79	42 54	19 19	24 24	6 6	1 1	0 0	0 0	0 0	4 4														381 437	
5.44	40 Anglia Before Diversion After Diversion	35 35	51 51	37 37	34 34	9 11	7 12	5 25	5 17	2 17	2 12	5 7	1 1																193 259	
5.27	60 Zealandia Before Diversion After Diversion	45 45	101 101	113 114	100 111	66 99	31 44	11 21	1 3	2 2	2 0	0 0	0 0	3 3	0 0	1 1													476 546	
5.29	64 Scott Before Diversion After Diversion	42 42	86 86	68 80	44 63	14 39	10 24	5 5	0 0	4 4																			273 343	
5.33	63 Herschel Before Diversion After Diversion	36 36	96 96	123 123	112 112	104 104	75 77	46 47	41 53	32 56	16 42	11 36	3 2	2 2															697 787	
3.63	* Borden Before Diversion After Diversion	30 34	72 79	84 88	76 85	84 96	94 114	77 99	61 63	44 44	27 27	12 12	7 7	2 2															670 750	
4.95	66 Asquith Before Diversion After Diversion	41 41	93 94	135 142	140 161	84 118	67 95	43 52	18 18	9 9	4 4																		634 734	
5.07	* Rosetown Before Diversion After Diversion	48 48	102 102	136 136	163 163	117 120	103 113	88 109	44 69	42 79	28 45	25 27	6 6	5 5	4 4														911 1,026	
4.76	50 Rockhaven Before Diversion After Diversion	46 46	89 93	103 131	71 110	74 106	49 77	33 47	28 39	29 30	14 14																		536 693	
4.71	71 Battleford Before Diversion After Diversion	22 22	41 41	55 63	70 75	76 99	68 91	53 83	52 95	23 73	14 51	9 35	3 16																486 744	

(continued)

See footnotes at end of table

TABLE A.2 ESTIMATED NUMBER OF QUARTER SECTIONS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, BIGGAR REGION, 1969-70 (concluded)

Average No. of Quarters Per Permit ^a	Delivery Points	Distance in miles																				Total No. of Quarters		
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	37 & 38	39 & 40		Over 40	
		- number of quarter sections -																						
4.10	58 Arelee Before Diversion After Diversion	47 48	82 107	97 160	67 172	48 117	40 62	21 46	1 9	1 1														404 722
4.48	56 Stranraer Before Diversion After Diversion	34 34	68 68	86 86	50 63	24 63	7 55	2 56	3 61	44 44	23 23	9 9												274 562
3.85	62 Sonningdale Before Diversion After Diversion	47 47	88 94	103 131	67 107	43 73	37 91	12 82	5 76	5 77														407 902
4.17	70 Perdue Before Diversion After Diversion	27 37	61 92	70 112	92 144	57 119	40 88	16 55	12 41	12 22	6 8													393 718
5.63	68 Harris Before Diversion After Diversion	37 37	74 74	116 120	100 127	65 124	42 124	16 96	12 69	8 34	4 7	1 1												475 813
4.09	34 Traynor Before Diversion After Diversion	17 17	29 31	29 47	12 45	0 56	2 70	82 80	71 71	54 54	22 22	1 1												89 576
4.83	73 Wilkie Before Diversion After Diversion	38 38	79 88	113 134	106 162	115 189	107 188	91 150	58 81	31 72	27 36	11 11	3 3	5 5										784 1,157
5.50	67 Plenty Before Diversion After Diversion	45 47	83 93	88 97	75 95	67 115	58 120	22 88	2 69	0 88	2 55	2 26	2 17	6 6										444 916
5.15	74 Biggar Before Diversion After Diversion	37 37	84 84	140 154	165 216	203 283	199 318	187 322	175 290	157 264	92 186	72 106	30 30	18 18	10 10	1 1								1,570 2,319
5.02	69 Landis Before Diversion After Diversion	45 45	88 93	136 143	154 188	113 204	82 215	28 189	15 186	7 143	0 73	0 41	0 20	3 4										671 1,544
	Subtotal of Points Remaining Open Before Diversion After Diversion	1172 1195	2319 2426	2634 2946	2263 2855	1674 2496	1260 2148	825 1724	583 1369	417 1139	242 702	150 363	56 127	35 59	18 18	2 2								13,650 19,569
	STUDY AREA TOTAL Before Diversion After Diversion	2161 1195	3906 2426	4038 2946	3122 2855	2195 2496	1568 2148	975 1724	654 1369	439 1139	249 702	150 363	56 127	36 59	18 18	2 2								19,569 19,569

*Borden, Langham and Rosetown, communities in the Shellbrook-Turtleford, Rosthern and Eston-Elrose Study regions respectively, appear in the appendix of this study only to the extent that they are affected by diversion in the Biggar region.

^aCalculated by dividing the average number of acres per permit (mean size shown in Table 2.11) by 160 acres.

TABLE A.3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, BIGGAR REGION, 1969-70

Actual No. 1969-70 Permits	Delivery Points	Distance in miles																		Estimated Total No. of Permits
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36	
- number of permit holders ^a -																				
Points Assumed Closed																				
11	15 Wolfe Before Diversion After Diversion	5.5	2.0	3.0	0.5	4.5	2.5	0.5												11.0 11.0
15	18 Oban Before Diversion After Diversion	5.0	5.0	2.0	1.0	0.5	0.5	1.0	0.5											15.5 15.5
14	13 Cathkin Before Diversion After Diversion	5.0	3.5	3.5	1.0	0.5	4.5	2.5	0.5											13.5 13.5
21	16 Porter Before Diversion After Diversion	1.5	2.5	5.0	4.5	4.5	1.0	0.5												19.5 19.5
13	17 Argo Before Diversion After Diversion	2.5	2.0	2.0	2.0	3.0	1.0	1.5	2.5	1.0	1.0									12.5 12.5
29	19 Keppel Before Diversion After Diversion	10.0	8.5	3.5	3.5	2.0	1.0	6.5	3.0	2.0	0.5									28.5 28.5
17	14 Hood Before Diversion After Diversion	4.5	2.0	3.5	3.5	2.5	2.5	0.5												16.0 16.0
25	20 Salter Before Diversion After Diversion	3.0	5.5	6.0	5.0	2.5	1.0	0.5	0.5											24.0 24.0
50	42 Baljennie Before Diversion After Diversion	7.5	10.0	12.5	7.5	7.5	1.5	5.0	3.5	5.5	7.5	10.0	7.5	3.0						45.0 45.0
31	21 Cazalet Before Diversion After Diversion	5.0	7.5	4.0	4.0	2.5	1.5	3.5	1.0											29.0 29.0
25	24 Cavell Before Diversion After Diversion	6.5	11.0	5.5	1.0	1.0	0.5	5.5	0.5											25.5 25.5

See footnotes at end of table (continued)

TABLE A.3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, BIGGAR REGION, 1969-70 (continued)

Actual No. 1969-70 Permits	Delivery Points	Distance in miles																			Estimated Total No. of Permits
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36		
		- number of permit holders ^a -																			
35	26 Lett Before Diversion After Diversion	6.5 0.5	9.5 1.5	10.5 3.5	5.5 7.0	2.0 9.0	0.0 9.0	0.5 4.0	0.5 0.5											35.0 35.0	
26	22 Catherwood Before Diversion After Diversion	4.0 1.0	10.0 2.0	9.5 2.0	1.0 6.0	0.0 8.5	0.0 3.0	0.5 2.0	0.5 0.5											25.0 25.0	
26	25 Leney Before Diversion After Diversion	4.5 1.0	6.5 4.5	7.5 7.0	1.0 6.5	1.5 1.5	1.0 1.5	0.5 2.0	1.5 1.0	2.0 1.0										26.0 26.0	
46	35 Environ Before Diversion After Diversion	9.0 1.5	16.5 5.5	13.5 16.5	3.0 17.0	1.5 2.0	0.5 2.0	1.5 1.5												44.0 44.0	
47	29 Ibstone Before Diversion After Diversion	1.5 1.5	10.5 10.5	11.5 1.0	9.5 1.0	8.0 2.5	3.0 3.0	0.5 6.0	9.5 9.5	16.5 16.5	6.0 6.0									44.5 44.5	
24	28 Downe Before Diversion After Diversion	6.5 6.5	7.5 7.5	4.0 4.0	2.0 3.0	1.0 9.5	1.5 7.5	0.0 1.0	0.0 0.0	0.5 1.0	1.0 1.0									23.0 23.0	
35	31 Bents Before Diversion After Diversion	8.0 8.0	14.5 14.5	7.0 0.5	2.5 3.0	1.0 5.5	0.0 6.5	0.5 7.5	0.0 5.0	0.0 4.0	0.5 2.0									34.0 34.0	
44	23 Reford Before Diversion After Diversion	10.0 2.5	19.0 2.5	10.0 6.5	2.5 13.0	0.0 13.0	0.0 6.5	0.0 1.0	0.5 0.5	0.5 0.5										42.5 42.5	
38	46 Kelfield Before Diversion After Diversion	7.0 7.0	12.0 12.0	9.5 9.5	3.5 1.0	3.0 3.0	1.0 6.5	0.5 7.0	8.0 8.0	8.0 8.0	2.5 2.5	0.5 0.5								36.5 36.5	
34	32 Thackeray Before Diversion After Diversion	8.5 0.5	12.5 1.0	4.0 6.5	2.5 8.0	3.0 8.0	1.5 3.5	0.0 2.0	1.0 1.5	1.0 1.0										33.0 33.0	
34	45 Feudal Before Diversion After Diversion	7.0 0.5	11.0 0.0	8.0 0.5	5.0 2.5	1.0 9.5	1.0 10.5	0.5 5.0	3.5 3.5	1.0 1.0	0.5 0.5									33.5 33.5	

See footnotes at end of table

(continued)

TABLE A.3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, BIGGAR REGION, 1969-70 (continued)

Actual No. 1969-70 Permits	Delivery Points	Distance in miles																	Estimated & Total No. of Permits	
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34		35 & 36
		- number of permit holders ^a -																		
44	47 Duperow Before Diversion After Diversion	4.5	9.0	10.0	9.5 0.5	4.0 1.0	3.5 3.5	1.0 9.5	0.5 8.5	6.5	8.0	4.5								42.0 42.0
35	33 Valley Centre Before Diversion After Diversion	3.0	5.5	7.5	5.5	4.0 0.5	3.0 2.5	3.0 2.0	1.0 9.0	0.5 11.5	0.5 7.0	1.0								33.5 33.5
74	48 Struan Before Diversion After Diversion	12.5 0.5	21.5 7.0	14.0 21.0	10.0 25.5	7.5 11.0	4.0 4.5	2.0 2.5	1.5 1.0											73.0 73.0
41	30 Cloan Before Diversion After Diversion	6.5	7.5 1.0	8.5 3.0	7.5 7.0	4.5 6.5	2.0 9.0	0.5 4.0	3.5	2.0	1.0									37.0 37.0
66	27 Ceepee Before Diversion After Diversion	4.5 1.5	8.0 2.0	11.0 5.0	16.5 9.5	11.5 11.0	8.5 22.5	3.0 12.0	1.5 1.5	0.5										65.0 65.0
47	55 Ruthilda Before Diversion After Diversion	6.0	11.0	8.0	5.0 0.5	5.0 1.5	6.0 3.5	3.0 11.0	0.5 13.0	9.5	3.5	2.0								44.5 44.5
51	53 Springwater Before Diversion After Diversion	7.0	12.0	13.0	9.5	4.5 1.0	4.0 4.0	1.0 7.5	10.0	12.5	9.5	6.5								51.0 51.0
61	54 Leipzig Before Diversion After Diversion	10.0	18.0 0.5	16.5 1.0	12.5 2.5	2.5 8.5	2.0 13.5	0.5 12.5	13.0	6.5	1.0	2.0	1.0							62.0 62.0
50	39 Marriott Before Diversion After Diversion	5.5	10.5	11.5 0.5	5.5 2.5	6.0 8.5	4.5 6.5	2.0 12.5	0.5 8.0	0.5 6.5	0.5 2.0	0.0 0.5			0.5					47.5 47.5
115	61 Cando Before Diversion After Diversion	11.0	19.5	23.5 0.5	16.0 2.0	12.5 4.5	11.5 11.5	7.5 16.5	5.0 22.5	1.0 24.5	19.0	6.0	0.5							107.5 107.5
72	59 Handel Before Diversion After Diversion	9.5	20.0	27.0	12.0	2.0	0.5 2.0	7.5	10.0	16.0	17.0	10.0	6.5	2.0						71.0 71.0

(continued)

See footnotes at end of table

TABLE A-3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, BIGGAR REGION, 1969-70 (continued)

Actual No. 1969-70 Permits	Delivery Points	Distance in miles																		Estimated Total No. of Permits	
		1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	13 & 14	15 & 16	17 & 18	19 & 20	21 & 22	23 & 24	25 & 26	27 & 28	29 & 30	31 & 32	33 & 34	35 & 36		
		- number of permit holders ^a -																			
36	38 Phippen Before Diversion After Diversion	6.5 7.0	13.0 14.0	8.5 11.0	5.0 8.5	1.5 4.0															34.5 44.5
122	* Langham Before Diversion After Diversion	10.5 11.0	19.0 19.0	19.5 23.5	17.0 23.0	21.5 24.5	13.0 17.0	6.0 6.0	7.5 7.5	2.0 2.0	0.5 0.5	0.0 0.0	0.0 0.0	0.0 0.0	1.0 1.0						117.5 135.0
36	40 Anglia Before Diversion After Diversion	6.5 6.5	9.0 9.0	7.0 7.0	6.0 6.0	1.5 2.0	1.0 2.0	1.0 4.5	1.0 3.0	0.5 3.0	0.5 2.0	1.0 1.5	0.5 0.5								35.5 47.0
93	60 Zealandia Before Diversion After Diversion	8.5 8.5	19.0 19.0	21.0 21.5	19.0 21.0	12.5 18.5	6.0 8.5	2.0 3.5	0.5 1.0	0.5 0.5	0.5 0.5	0.0 0.0	0.0 0.0	0.5 0.5	0.0 0.0	0.5 0.0	0.5 0.5				90.5 103.5
52	64 Scott Before Diversion After Diversion	8.0 8.0	16.0 16.0	13.0 16.5	8.5 14.0	2.5 9.0	2.0 5.5	1.0 1.0	0.0 0.0	0.5 0.5											51.5 70.5
135	63 Herschel Before Diversion After Diversion	7.0 7.0	18.0 18.0	23.0 23.0	21.0 21.0	19.5 19.5	14.0 14.5	8.5 9.0	8.0 10.5	6.0 11.0	3.0 7.5	2.0 6.0	0.5 0.5	0.5 0.5							131.0 148.0
188	* Borden Before Diversion After Diversion	8.0 9.0	20.0 22.0	23.0 24.5	21.0 24.0	23.0 27.0	26.0 32.0	21.0 27.5	17.0 17.5	12.0 12.0	7.5 7.5	3.5 3.5	2.0 2.0	0.5 0.5							184.5 209.0
139	66 Asquith Before Diversion After Diversion	8.5 8.5	19.0 19.5	27.0 28.5	28.0 33.5	17.0 26.0	13.5 22.0	8.5 11.5	3.5 3.5	2.0 2.0	1.0 1.0										128.0 156.0
196	* Rosetown Before Diversion After Diversion	9.5 9.5	20.0 20.0	27.0 27.0	32.0 32.0	23.0 23.5	20.5 22.5	17.5 21.0	8.5 13.0	8.0 14.5	5.5 8.0	5.0 5.5	1.0 1.0	1.0 1.0							179.5 199.5
115	50 Rockhaven Before Diversion After Diversion	9.5 9.5	18.5 19.5	21.5 27.0	15.0 22.0	15.5 21.5	10.5 16.0	7.0 9.5	6.0 8.0	6.0 6.5	3.0 3.0										112.5 142.5
127	71 Battleford Before Diversion After Diversion	4.5 4.5	8.5 8.5	11.5 14.0	15.0 16.5	16.0 22.0	15.0 21.0	11.0 19.5	11.0 23.0	5.0 19.5	3.0 12.0	2.0 7.0	0.5 3.0								103.0 170.5

See footnotes at end of table

(continued)

TABLE A.3 ESTIMATED NUMBER OF PERMIT HOLDERS AND DISTANCE FROM DELIVERY POINT BEFORE AND AFTER DIVERSION, BIGGAR REGION, 1969-70 (concluded)

Actual No. 1969-70 Permits	Delivery Points	Distance in miles																			Estimated Total No. of Permits
		1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35		
		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36		
- number of permit holders ^a -																					
102	58 Arelee Before Diversion After Diversion	11.5 12.0	20.0 26.5	23.5 40.5	16.5 44.5	11.5 29.5	9.5 16.5	5.0 11.5	0.5 2.5	0.5 0.5										98.5 184.0	
63	56 Stranraer Before Diversion After Diversion	7.5 7.5	15.0 15.0	19.5 19.5	11.0 13.0	5.5 11.5	1.5 9.0	0.5 9.0	0.5 10.5	7.0 7.0	3.5 1.5									61.0 107.0	
110	62 Sonningdale Before Diversion After Diversion	12.0 12.0	23.0 24.5	26.5 34.0	17.5 27.5	11.0 18.0	9.5 22.5	3.0 19.0	1.5 17.0	1.5 17.5		13.0 6.0	5.0 5.0	3.0						105.5 219.0	
94	70 Perdue Before Diversion After Diversion	6.5 8.5	14.5 20.5	16.5 24.5	22.0 33.0	13.5 26.0	9.5 19.0	4.0 12.0	3.0 9.0	3.0 5.5	1.5 2.0									94.0 160.0	
88	68 Harris Before Diversion After Diversion	6.5 6.5	13.0 13.0	20.5 21.0	18.0 22.5	11.5 22.5	7.5 21.5	3.0 17.5	2.0 13.0	1.5 7.0	0.5 1.0	0.5 0.5								84.5 146.0	
23	34 Traynor Before Diversion After Diversion	4.5 4.5	7.0 7.5	7.0 10.5	3.0 10.0	0.0 12.0	0.5 14.5	16.5 16.5	15.5 15.5	12.0 12.0	5.0 5.0	0.5								22.0 125.0	
164	73 Wilkie Before Diversion After Diversion	8.0 8.0	16.0 18.5	23.5 28.5	22.0 35.5	24.0 42.0	22.0 40.0	19.0 31.5	12.0 17.0	6.5 15.5	5.5 8.0	2.5 2.5	0.5 0.5	1.0 1.0						162.5 248.5	
82	67 plenty Before Diversion After Diversion	8.0 8.5	15.0 17.5	16.0 18.5	13.5 17.5	12.0 19.5	10.5 21.0	4.0 15.5	0.5 10.5	0.0 16.0	0.5 12.0	0.5 5.5	4.0 4.0	1.0						80.5 167.0	
316	74 Biggar Before Diversion After Diversion	7.0 7.0	16.0 16.0	27.0 30.5	32.0 42.5	39.5 57.5	38.5 63.0	36.5 62.5	34.0 56.0	30.5 48.5	18.0 35.0	14.0 20.0	6.0 6.0	3.5 3.5	2.0 2.0	0.5 0.5				305.0 450.5	
138	69 Landis Before Diversion After Diversion	9.0 9.0	17.5 19.0	27.0 28.0	30.5 38.5	22.5 43.0	16.5 44.0	5.5 37.5	3.0 37.0	1.5 28.5	0.0 14.5	0.0 9.5	0.5 4.0	1.0						133.5 313.5	
	Subtotal of Points Remaining Open																				
	Before Diversion	258.0	505.0	572.5	486.0	360.0	269.5	176.0	126.5	89.0	51.5	32.0	11.5	7.0	4.0	1.0				2,949.5	
	After Diversion	263.5	531.5	647.0	624.0	539.5	457.5	357.5	282.5	234.5	144.0	75.0	27.0	12.0	4.0	1.0				4,200.5	
	STUDY AREA TOTAL																				
	Before Diversion	466.5	836.5	868.5	667.0	472.5	335.0	208.5	142.5	94.5	53.0	32.0	11.5	7.5	4.0	1.0				4,200.5	
	After Diversion	263.5	531.5	647.0	624.0	539.5	457.5	357.5	282.5	234.5	144.0	75.0	27.0	12.0	4.0	1.0				4,200.5	

*Borden, Langham and Rosetown, communities in the Shellbrook-Turtleford, Rosthern and Eston-Elrose regions respectively, appear in the appendix of this study only to the extent that they are affected by diversion in the Biggar region.

^aThe number of permit holders was calculated from Table A.2 as follows: number of quarter sections divided by the average number of quarters per permit (rounded to the nearest one half permit).

Communities Other Than Grain Delivery Points in the Biggar Region

Although these studies of economic geography in the prairie provinces are primarily concerned with communities that serve as grain collection points, there is at least an awareness of other social and economic entities or activities in any given region. One of these is the community that is not a delivery point for grain.

Usually, a list of past and present grain delivery points in a particular area accounts for all existing communities. This, however, is not the case in the Biggar region. Table A.4 names 5 places that are not grain delivery points and lists their several characteristics. Populations range from 2 at Dunfermline to 40 at Palo. Only one of the communities, Spinney Hill, has a post office.

In the context of rail line and grain handling rationalization, it is interesting to note that none of the communities have ever been a grain delivery point. It can be said that the 5 communities in Table A.5 do not depend on any grain delivery function for their continued existence. A sodium sulphate plant is located at Palo, which employs about 27 people.

TABLE A.4 COMMUNITIES OTHER THAN GRAIN DELIVERY POINTS IN THE BIGGAR REGION

Community	Class or Legal Status	Population 1971	Location R.M.	Post Office Revenue 1970-71	Rail Line
				\$	
Dunfermline	Rl. Pt.	2	345. Vanscoy	-	CP
Naseby	S	8	378. Rosemount	-	CP
Palo	H	40	378. Rosemount	-	CN
Spinney Hill	S	5	377. Glenside	286	CP
Urban	S	7	346. Perdue	-	CP

S - Settlement with population of 10 or less.

H - Unorganized hamlet with population of more than 10.

Rl. Pt. - Locality or area situated on railway line but not necessarily serviced.

Source: Directory of Saskatchewan Hamlets, Settlements and Other Unincorporated Areas, 1972, Department of Municipal Affairs, Regina.

Canada Post Office Department, Saskatoon.

Chronology of Government Legislation, Court Rulings, Board Orders, Regulations, etc., Having an Impact on Production and Marketing of Grain in Western Canada

- 1872 Dominion Land Act S.C. 1872, C.6.
- 1876 First export of wheat from the Prairies.
- 1878 St. Paul Railway entered Winnipeg.
- 1881 First elevator built in Western Canada.
- 1881 Canadian Pacific Railway completed Fort William and Winnipeg.
- 1882 First cargo of wheat left the Lakehead (Fort William).
- 1883 First elevator built at the Lakehead (Port Arthur).
- 1885 First all-Canadian rail link (Canadian Pacific) between the Prairies and Pacific Coast opened.
- 1887 Formation of the Winnipeg Grain Exchange.
- 1897 An Act to authorize a subsidy for a Railroad through the Crows Nest Pass S.C. 1897, C.5. (Crows Nest Freight rates on western grain moving to Fort William).
- 1899 Royal Commission on the Shipment and Transportation of Grain.
- 1900 Manitoba Grain Act S.C. 1900, C.39.
- 1904 Building of the Western portion of the Grand Trunk Pacific to Prince Rupert. (Completed 1912).
- 1904 Grain Inspection Act S.C. 1904, C.15.
- 1905 Introduction of Marquis Wheat.
- 1906 Royal Commission on the Grain Trade in Canada.
- 1908 Winnipeg Grain Exchange reformed to become an unincorporated voluntary association.
- 1911 Act creating the Saskatchewan Co-operative Elevator Company.
- 1912 Canada Grain Act S.C. 1912, C.27. et seq.
- 1912 First Canadian Government Elevator opened, at Port Arthur.

- 1914 First Canadian Government Interior Terminal Elevators opened, at Moose Jaw and Saskatoon.
- 1915 Panama Canal opened.
- 1916 First Canadian Government Elevator on the Pacific Coast opened.
- 1916 United Grain Growers formed from amalgamation of three grain growers associations and the Alberta Farmers' Co-op Elevator Company.
- 1917 Board of Grain Supervisors P.C. 1917-1552 (to June 6, 1919).
- 1919 Soldiers Settlement Act S.C. 1919, C.19. et seq.
- 1919 Canadian Wheat Board Act S.C. 1919, C.9 (to 1922).
- 1923 Royal Grain Inquiry Commission P.C. 1923-774.
- 1923 Prairie Wheat Pools formed.
- 1925 Major revision of the Canada Grain Act.
- 1928 Select Standing Committee of the House of Commons dealt with the grading of wheat by protein content.
- 1929 Hudson Bay Railway completed to Port Churchill.
- 1929 Welland Ship Canal expanded and modernized.
- 1929 Prairie Provincial Governments guaranteed bank loans to the three Wheat Pools.
- 1930 Dominion Government provided financial assistance to the banks and the provincial governments covering grain loans.
- 1930 Mr. John I. McFarland appointed by the Federal Government as general manager of the Canadian Co-operative Wheat Producers' Ltd.
- 1930 Revision of the Canada Grain Act S.C. 1930, C.5. et seq.
- 1931 Prairie Wheat Pools separated from their Central Selling Agency, the Canadian Co-operative Wheat Producers Ltd.
- 1931 An Act Respecting Wheat S.C. 1931, C.60. (5¢ freight subsidy).
- 1931 Commission to Inquire into Trading in Grain Futures P.C. 1931-853.
- 1931 Grain Marketing Act S.S. 1931, C.87 (100% pool).
- 1931 First shipment of wheat through Port Churchill.

- 1932 Ottawa Economic Conference - Canada obtained preference on wheat in British market.
- 1933 United States legislation, the Agricultural Adjustment Act; parity prices established.
- 1933 Commodity Credit Corporation established in U.S.A.
- 1933 London Wheat Conference and subsequent International Wheat Agreement.
- 1934 Farmers' Creditors Arrangement Act S.C. 1934, C.53.
- 1934 Natural Products Marketing Act S.C. 1934, C.57.
- 1934 Natural Products Marketing Act ruled ultra vires of the Dominion Government by the Supreme Court of Canada.
- 1934 Emergency Wheat Control Act S.M. 1934, C.48.
- 1935 Prairie Farm Rehabilitation Act S.C. 1935, C.23. et seq.
- 1935 Canadian Wheat Board Act S.C. 1935, C.53. et seq.
- 1936 Royal Grain Inquiry Commission P.C. 1936-1577.
- 1938 Canada-United States trade agreement (abrogated British preference on Canadian Wheat).
- 1939 Agricultural Products Co-operative Marketing Act S.C. 1939, C.28. et seq.
- 1939 Grain Futures Act S.C. 1939, C.31.
- 1939 Prairie Farm Assistance Act S.C. 1939, C.50. et seq.
- 1939 Canadian Wheat Board opened Eastern office in Toronto.
- 1940 First implementation of delivery quota system of control over western grain marketing.
- 1941 Wheat Acreage Reduction P.C. 1941-3047.
- 1941 Feed Freight Assistance Regulation P.C. 1941-7523. et seq.
- 1942 Wheat Acreage Reduction Act S.C. 1942, C.10.
- 1942 Veterans Land Act S.C. 1942-43, C.33. et seq.
- 1943 Wheat Futures Trading discontinued on the Winnipeg Grain Exchange; Canadian Wheat Board made exclusive marketing agency for wheat.

- 1944 Farm Improvement Loans Act S.C. 1944, C.41. et seq.
- 1944 Agricultural Prices Support Act S.C. 1944, C.29.
- 1944 Canadian Wheat Board Act amended to exempt the Board from authority in marketing Eastern Wheat P.C. 1944-5640.
- 1945 The Food and Agriculture Organization of the United Nations Act, S.C. 1945, C.4. et seq.
- 1946 United Kingdom Wheat Agreement.
- 1948 Canadian Wheat Board empowered to control interprovincial movement of wheat products.
- 1948 International Wheat Agreement (No. 1) P.C. 1948-1016.
- 1949 Manitoba Coarse Grain Marketing Control Act R.S.M. 1954, C.41.
- 1949 Saskatchewan Grain Marketing Act R.S.S. 1953, C.241.
- 1949 Alberta Coarse Grain Marketing Control Act S.A. 1949, C.25.
- 1949 Marketing of oats and barley brought under the Canadian Wheat Board.
- 1951 Appropriations Act No. 2 S.C. 1951, C.2, provided for a grant of \$65 million to the 1945-49 Pool as settlement to Western grain producers for participation in the United Kingdom Wheat Agreement.
- 1951 St. Lawrence Seaway Authority Act S.C. 1951, C.24. et seq.
- 1951 Prairie Grain Producers Interim Financing Act S.C. 1951, C.20. et seq.
- 1952 Extension of Colombo Plan to wheat aid.
- 1953 International Wheat Agreement (No. 2) P.C. 1953-556.
- 1953 Application of accelerated depreciation for income tax purposes to commercial grain storage facilities.
- 1954 Canada-Japan trade agreement extended M.F.N. rates to Japan and opened Japanese market to Canadian grain.
- 1954 Inauguration of United States Public Law 480.
- 1955 Churchill elevator capacity doubled.
- 1955 GATT resolution on surplus disposal.
- 1956 Canada-USSR trade agreement extended M.F.N. rates to U.S.S.R., which government agreed to buy 1.2 million tons of Canadian Wheat.

- 1956 First shipment of flour to United Nations Relief and Works Agency.
- 1956 Prairie Grain Producers Interim Financing Act, S.C. 1956, C.1.
- 1956 Temporary Wheat Reserves Act S.C. 1956, C.2.
- 1956 International Wheat Agreement (No. 3) P.C. 1953-734.
- 1957 Prairie Grain Advance Payments Act S.C. 1957, C.2.
- 1957 Establishment of FAO Group on Grains.
- 1957 Agricultural Stabilization Act S.C. 1957, C.22. Succeeded the Agricultural Prices Support Act.
- 1957 Treaty of Rome established the European Common Market.
- 1958 First time that the Canadian Wheat Board failed to make a final payment (Oats Pool, 1956-57).
- 1958 Grain Farmers march on Ottawa.
- 1958 Western Grain Producers Acreage Payment Regulations P.C. 1958-1442.
- 1958 Bracken Enquiry into the Distribution of Railway Boxcars P.C. 1958-181.
- 1959 Supreme Court upheld the Board of Transport Commissioners' ruling that demurrage charges on boxcars is permitted at terminal elevators after ten days.
- 1959 Cabinet suspended Board of Transport Commissioners' ruling on demurrage.
- 1959 International Wheat Agreement (No. 4) P.C. 1959-480.
- 1959 Formal institution of Canada-United States Quarterly Meetings on wheat and related matters.
- 1959 Food for Peace Conference (Wheat Utilization Committee).
- 1959 Bracken formula for boxcar allocation instituted.
- 1959 St. Lawrence Seaway opened.
- 1959 Canadian Wheat Board pricing policy changed to take advantage of new freight conditions consequent on St. Lawrence Seaway opening.
- 1959 Crop Insurance Act S.C. 1959, C.42 et seq. Crop Insurance Test Areas Act S.M. 1959, C.14; the Saskatchewan Crop Insurance Act S.S. 1960, C.57.

- 1959 Royal Commission on Transportation P.C. 1959-577.
- 1960 Prairie Grain Provisional Payments Act S.C. 1960, C.2.
- 1960 Prairie Grain Loans Act S.C. 1960, C.1.
- 1960 Freedom from Hunger Campaign.
- 1960 Western Grain Producers Acreage Payment Regulations, 1960.
- 1960 Addition of Title IV to United States Public Law 480.
- 1960 Canadian Wheat Board instituted off-quota feed mill policy.
- 1961 Railway Act amended to include rapeseed as a grain.
- 1961 Report of the Royal Commission on Transportation (MacPherson) recommended branch line abandonment and subsidy to cover losses on grain transport.
- 1961 Agricultural Rehabilitation and Development Act S.C. 1961, C.30.
- 1961 Sale of wheat to China under long term credits negotiated by the Canadian Wheat Board.
- 1962 EEC Ministerial decision implemented the Common Agricultural Policy.
- 1962 Western Grain Producers Acreage Payment Regulations, 1962.
- 1962 Extension of U.S.A. Title IV P.L. 480 provisions to the private grain trade.
- 1962 Canadian dollar value fixed at exchange rate of 92 1/2¢ vis-a-vis the U.S. dollar.
- 1962 Introduction of the European Common Market Grain Regulations, including the import levy system.
- 1962 International Wheat Agreement (No. 5) P.C. 1962-631.
- 1963 Inauguration of the World Food Program.
- 1963 World Food Congress (Freedom from Hunger) Washington, June.
- 1963 Winter Storage Subsidy on feed grain in Eastern elevators paid by Federal government.
- 1963 Sale of 250 million bushels of wheat to U.S.S.R.
- 1964 Kennedy Round of Tariff reductions began, under the General Agreement on Tariff and Trade.

- 1964 Minimum Import Price system applied in the United Kingdom.
- 1964 Export Flour Adjustment policy discontinued by the Canadian Wheat Board.
- 1964 Canadian Wheat Board Headquarters Building expanded.
- 1965 International Wheat Agreement extended by protocol for one year, without amendment.
- 1965 Asian wheat production exceeded two billion bushels for the first time.
- 1965 Grain Transportation Committee formed.
- 1966 International Wheat Agreement again extended by protocol for one year to July 31, 1967.
- 1966 Winter Storage Subsidy on feed grain in Eastern elevators cancelled.
- 1966 National Transportation Act S.C. 1966-67, C.69. An Act to define and implement a national transportation policy for Canada.
- 1966 Livestock Feed Assistance Act S.C. 1966, C.52. Canadian Livestock Feed Board established.
- 1967 Price and quantity obligations under the International Wheat Agreement ceased; administrative provisions extended until June 30, 1968.
- 1967 Federal Treasury guaranteed price equivalent of \$1.95 1/2 basis No. 1 Northern, Lakehead, on Canadian Wheat Board sales of wheat.
- 1967 International Grains Arrangement negotiated under the Kennedy Round and a special Rome Conference.
- 1968 Canada Grains Council formed.
- 1968 International Grains Arrangement came into effect July 1. World prices dropped below the arranged minimums; Canadian prices held.
- 1968 Prairie Grain Advance Payments Act amended to double the payment rate and to provide advances to cover cost of drying grain.
- 1969 Canadian prices dropped below the IGA arranged minimums.
- 1969 Canadian Wheat Board selling prices to Canadian buyers for domestic use held at the \$1.95 1/2 equivalent level. Two price system.
- 1969 Block Loading System instituted by the Canadian Wheat Board as a method of calling forward desired kinds and grades of grain.
- 1970 Canadian dollar unpegged.

- 1970 Boden Committee reviewed and reported on the delivery quota system for Western Canadian grain.
- 1970 Canadian Wheat Board inaugurated quota system aimed at making deliveries more selective and market-oriented, and at keeping adequate working space in country elevators.
- 1970 Wheat and Barley pools (1968-69) failed for the first time to make a final payment, and for the second time there was no final payment on an Oats pool (1968-69).
- 1970 Federal Government Wheat Acreage Reduction Program (Operation LIFT) in effect; wheat plantings down 50%.
- 1970 Delivery quota regulations changed to eliminate the unit quota and to move from specified acreage quota to seeded acreage (except for wheat) plus assigned acreage. Each permit holder allowed two delivery points.
- 1971 Quota regulations again changed to a completely assignable acreage base, and terminable quotas introduced.
- 1971 Canada Grain Act S.C. 1970-71, C.7; replaced the Board of Grain Commissioners for Canada with the Canadian Grain Commission.
- 1971 Prairie Grain Advance Payments Act amended.
- 1972 The three Prairie Wheat Pools purchased Federal Grain Ltd.
- 1972 Pioneer Grain Co. purchased the 25 licensed grain elevators of Inter-Ocean Grain Co.
- 1972 Manitoba Coarse Grain Marketing Commission established.
- 1972 Alberta Grain Commission established.
- 1972 Canadian Government Elevators inland terminals made alternate delivery points to all permit holders.
- 1973 Canadian Wheat Board opened delivery quotas for all grains on all shipping blocks effective June 4. This was the first time since July 18, 1966 that quotas for all grains were opened and was the earliest date since the 1961-62 crop year, when all quotas were opened April 12, 1962.
- 1973 Temporary Wheat Reserves Act expired.
- 1973 Interim national feed grains policy implemented and the Agricultural Products Board established.

